

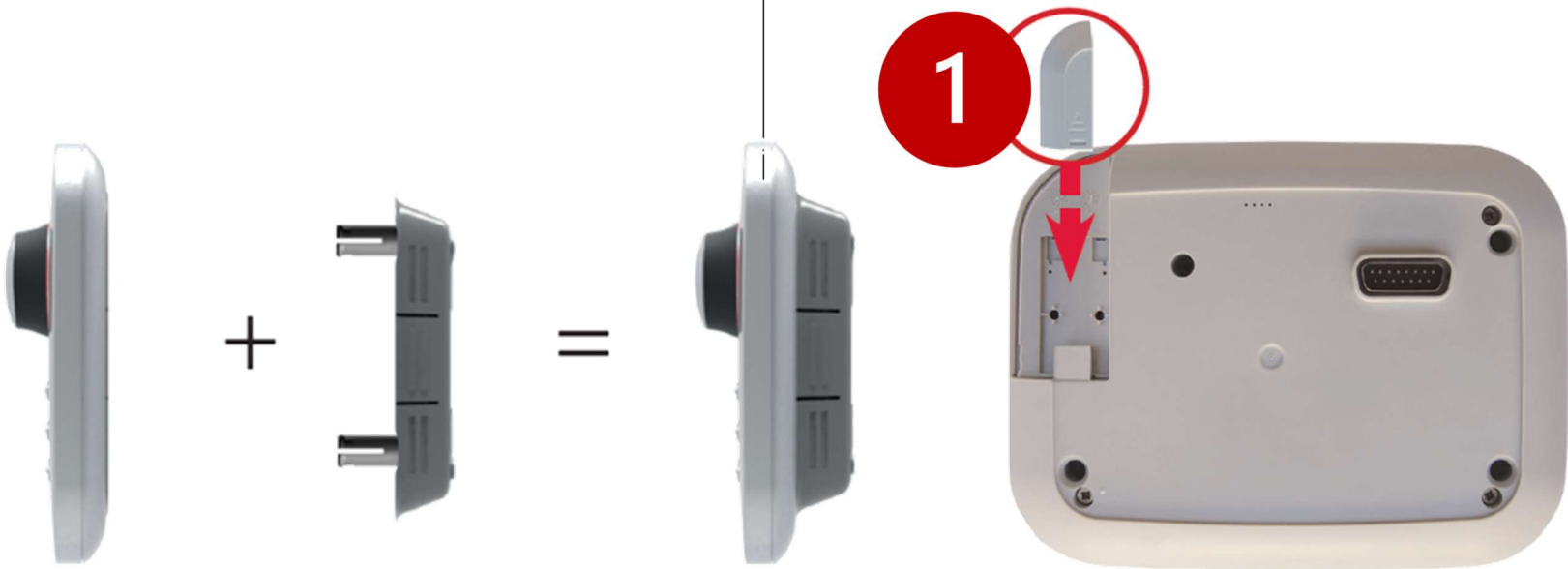


Regulus Controllers APP



Wi-Fi Module Installation

- 1) **PLUG THE WI-FI MODULE
IN THE SLOT**



Wi-Fi Module-Installation

- 2) **CONNECT THE PROGRAMMING MODULE TO THE BASE.
WI-FI WORKS ONLY IF IT IS
PROPERLY CONNECTED TO THE
ELECTRICITY NETWORK**



Download the APP

3) DOWNLOAD TEMPUS APP FROM APP STORE or PLAY STORE.



Note:

Depending on the mobile device and system software version, the following permissions must be enabled for the app:

- Photos and videos
- Location
- If necessary, “access all networks”

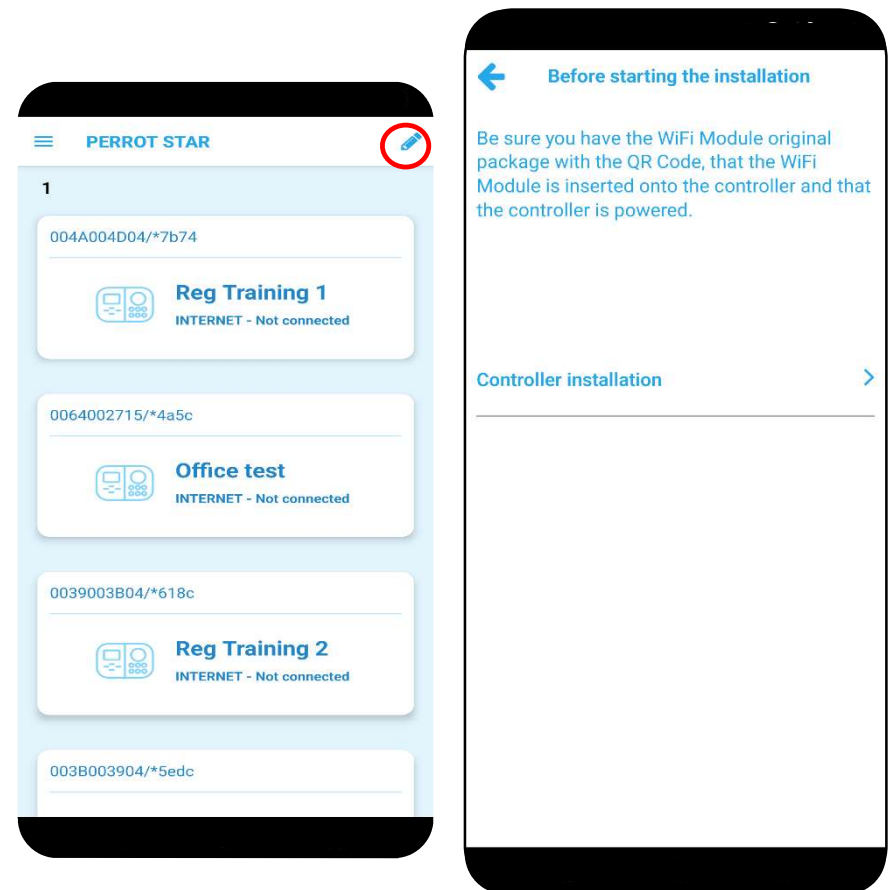


Adding a new controller

7) AFTER THE WELCOME DISPLAY, THE OVERVIEW OF THE CONTROLLERS ALREADY INSTALLED IS DISPLAYED. IF NONE IS INSTALLED YET, YOU CAN GO DIRECTLY TO "CONTROLLER MANAGEMENT"

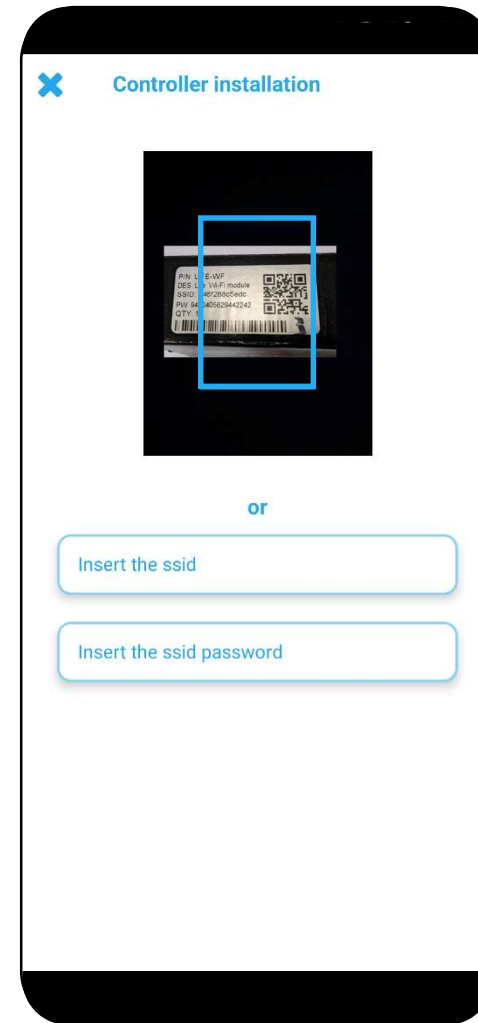
8) PRESS **+** BUTTON TO ADD A CONTROLLER.

9) PRESS **"Controller Installation"**



Adding a new controller

- 7) SCAN THE QR CODE YOU FIND OUTSIDE THE BOX OF WiFi MODULE OR ON THE BACK OF THE WiFi MODULE ITSELF.
- 8) PRESS **“CONNECT”**



Adding a new controller

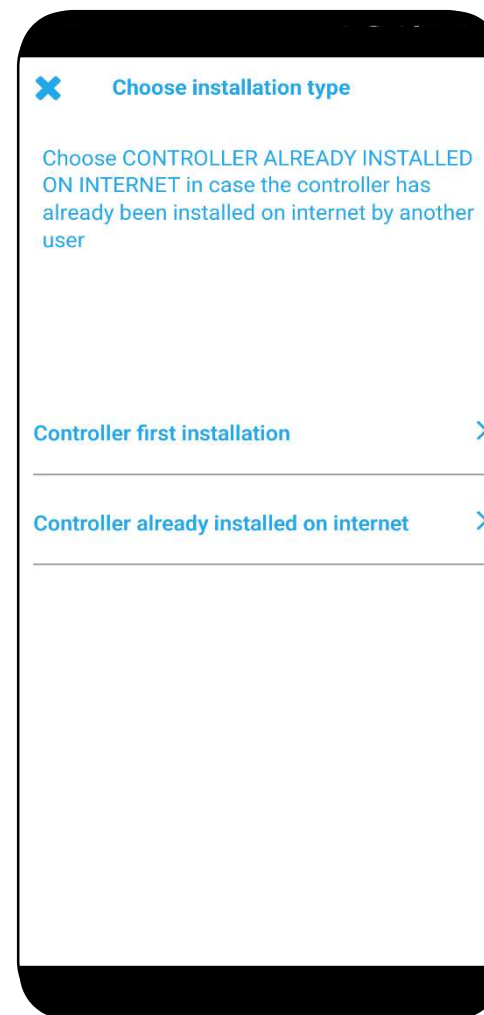
10) SELECT “**Controller first installation**” TO ADD A NEW CONTROLLER OR CHANGING THE WiFi NETWORK PAIRING.

or

11) SELECT “**Controller already installed on internet**” TO ADD AN EXISTING CONTROLLER.

NOTE:

It will work only if the controller is activated and the Wi-Fi module already connected to internet. Please check the connection status on the controller by press and hold the **left arrow**.



Please refer to the **APPENDIX I : WIFI COMMUNICATION STATUS** section of this manual

Adding a New Controller

12) SELECT “**Internet link**” TO CONNECT THE CONTROLLER AT INTERNET BY THE LOCAL WI-FI CONNECTION.

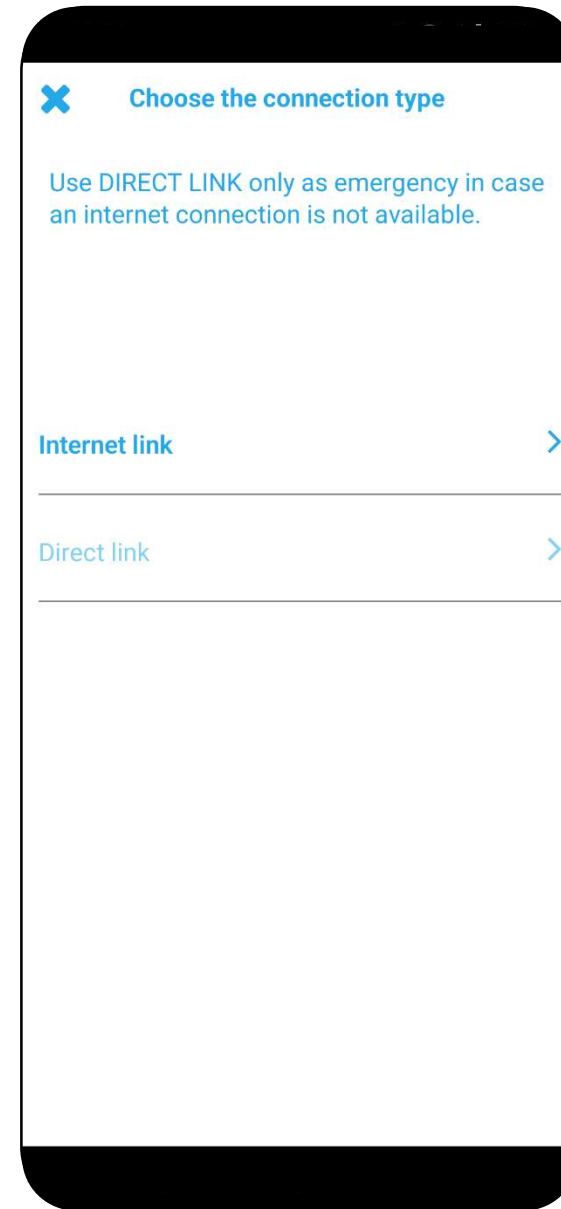
OR

13) SELECT “**Direct Link** ” TO ADD CONNECT THE CONTROLLER DIRECTLY TO THE APP (NO INTERNET)

NOTE:

the “direct link” mode is used also to change the WiFi network access (example if password changed).

Please refer to the **APPENDIX II : DIRECT LINK MODE** section of this manual.



Adding a New Controller - WiFi firmware update

AT THE FIRST INSTALLATION EVER IT MAY BE POSSIBLE THE WI-FI MODULE REQUIRES A FIRMWARE UPDATE BEFORE PROCEEDING.

IF IT IS NECESSARY, APP WILL ASK TO UPDATE THE WIFI MODULE.

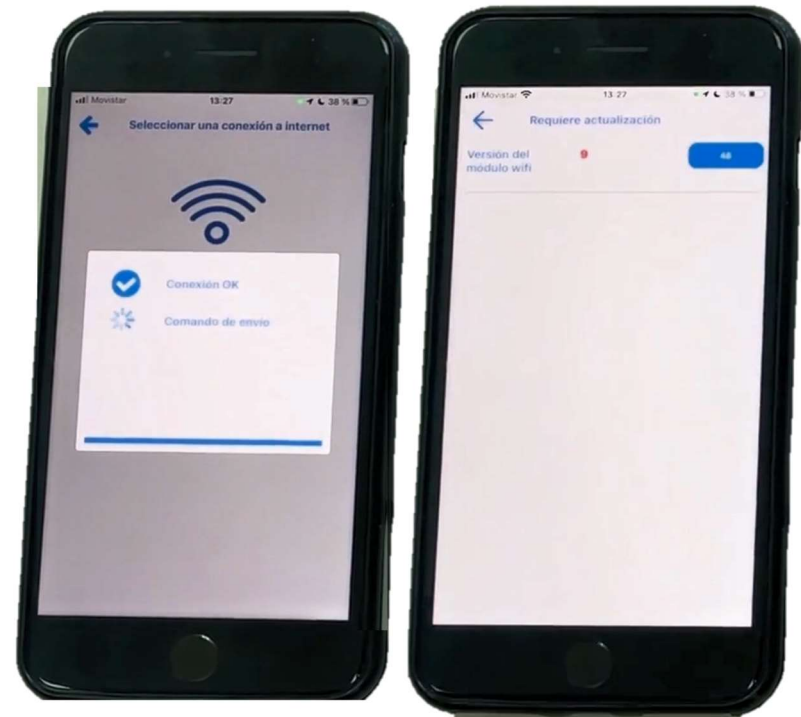
FOLLOW THE PROCEDURE AS BELOW AND, IN CASE OF FURTHER INFORMATION REFER TO

- **APPENDIX III**
- **APPENDIX IV**

NOTE:

ONCE THE FIRMWARE IS UPDATED IT IS NECESSARY TO RESTART THE ADDING CONTROLLER PROCEDURE FROM THE BEGINNING.

1. CLOSE THE APP
2. POWER OFF THE CONTROLLER FOR 15"
3. POWER ON THE CONTROLLE AGAIN
4. OPEN THE APP
5. RESTART THE PROCEDURE FROM THE BEGINNING AS PAG. 5 POINT4 OF THIS USER GUIDE



Adding a New Controller - WiFi firmware update

AT THE FIRST INSTALLATION EVER IT MAY BE POSSIBLE THE WI-FI MODULE REQUIRES A FIRMWARE UPDATE BEFORE PROCEEDING.

IF IT IS NECESSARY, APP WILL ASK TO UPDATE THE WIFI MODULE.

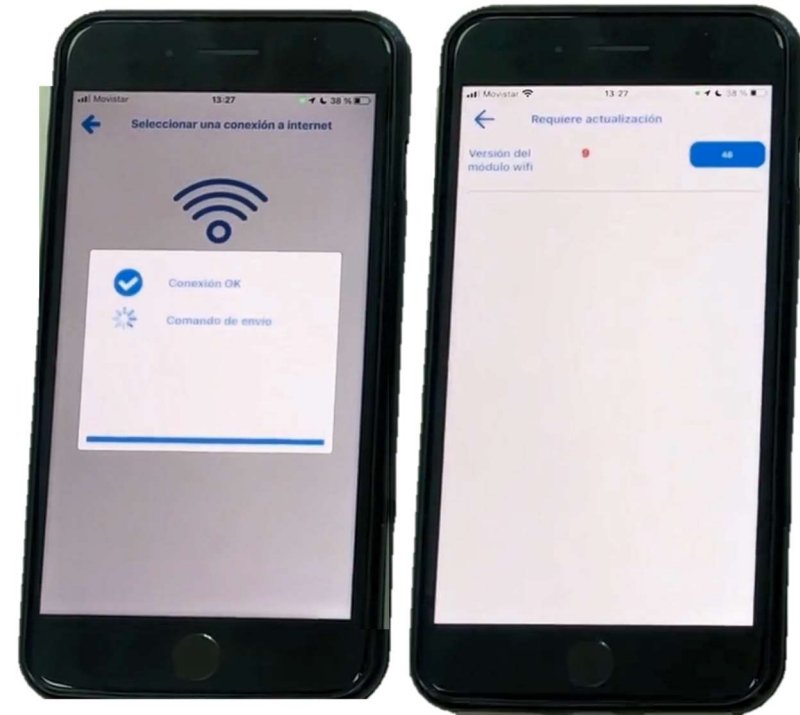
FOLLOW THE PROCEDURE AS BELOW AND, IN CASE OF FURTHER INFORMATION REFER TO

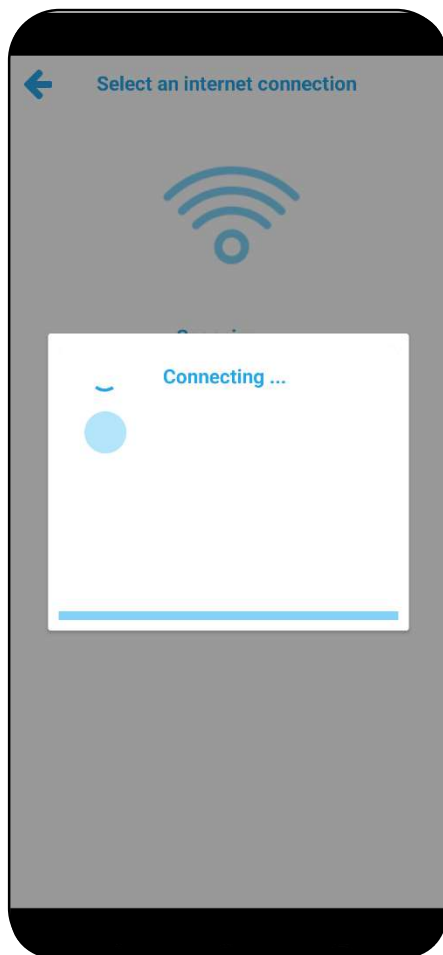
- **APPENDIX V**
- **APPENDIX VI**

NOTE:

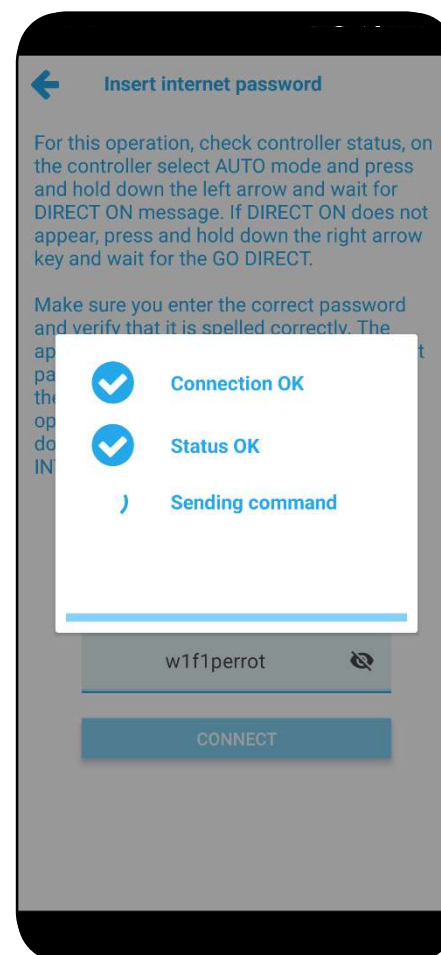
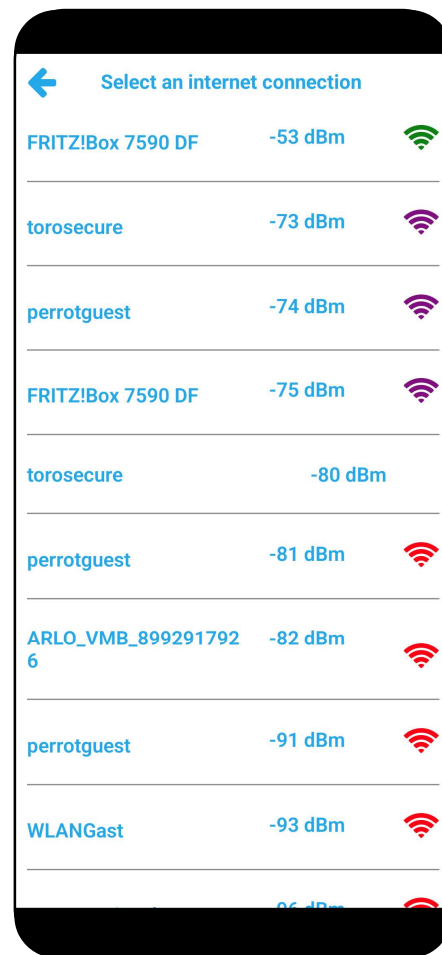
ONCE THE FIRMWARE IS UPDATED IT IS NECESSARY TO RESTART THE ADDING CONTROLLER PROCEDURE FROM THE BEGINNING.

6. CLOSE THE APP
7. POWER OFF THE CONTROLLER FOR 15"
8. POWER ON THE CONTROLLER AGAIN
9. OPEN THE APP
10. RESTART THE PROCEDURE FROM THE BEGINNING AS PAG. 5 POINT4 OF THIS USER GUIDE

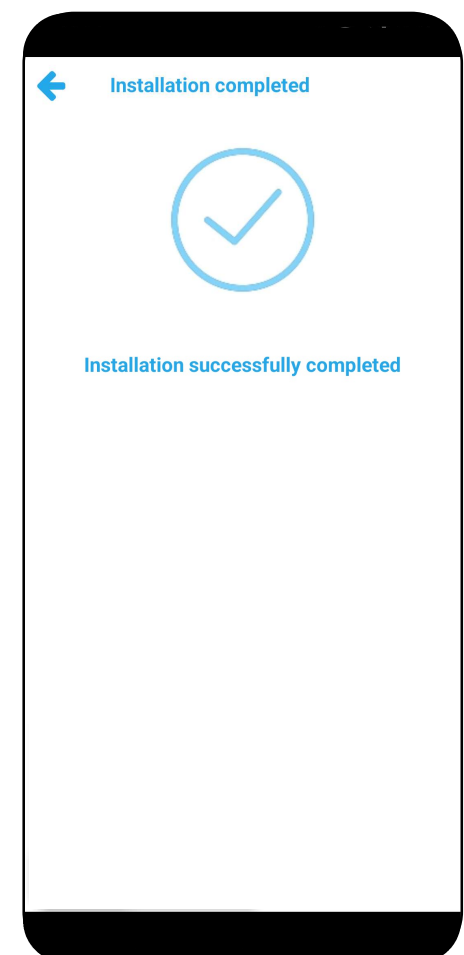




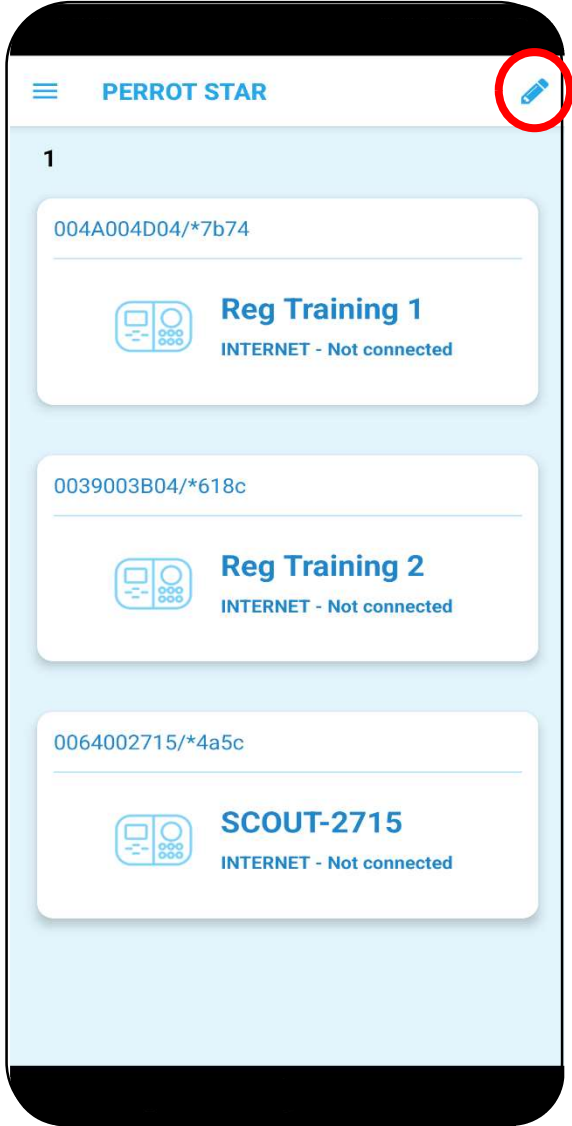
**SELECT THE LOCAL WI-FI
NETWORK FROM THE LIST**



**INSERT THE WI-FI NETWORK
PASSWORD and PRESS “CONNECT”**

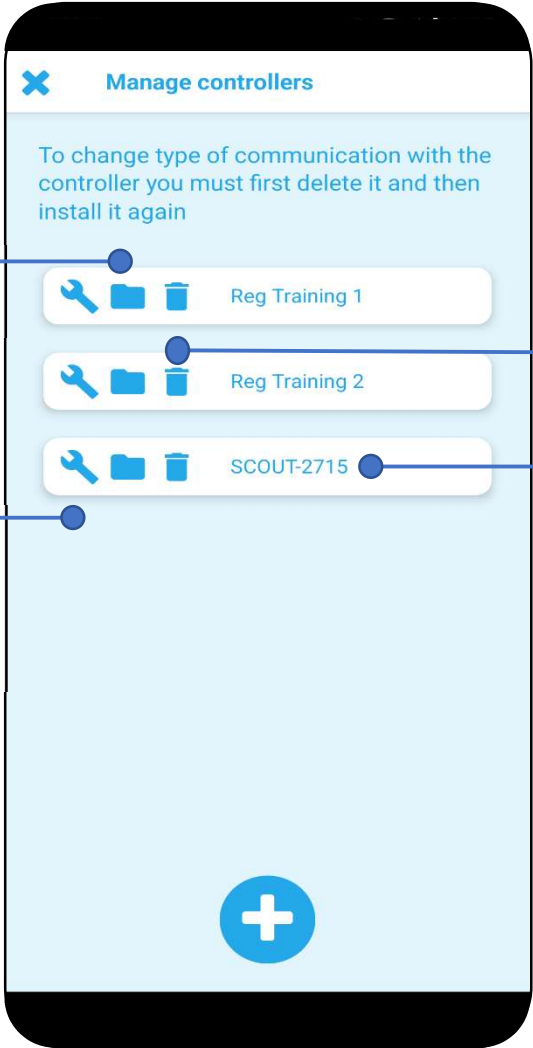


General Setup



CLICK TO
ASSIGN THE UNIT
TO A GROUP

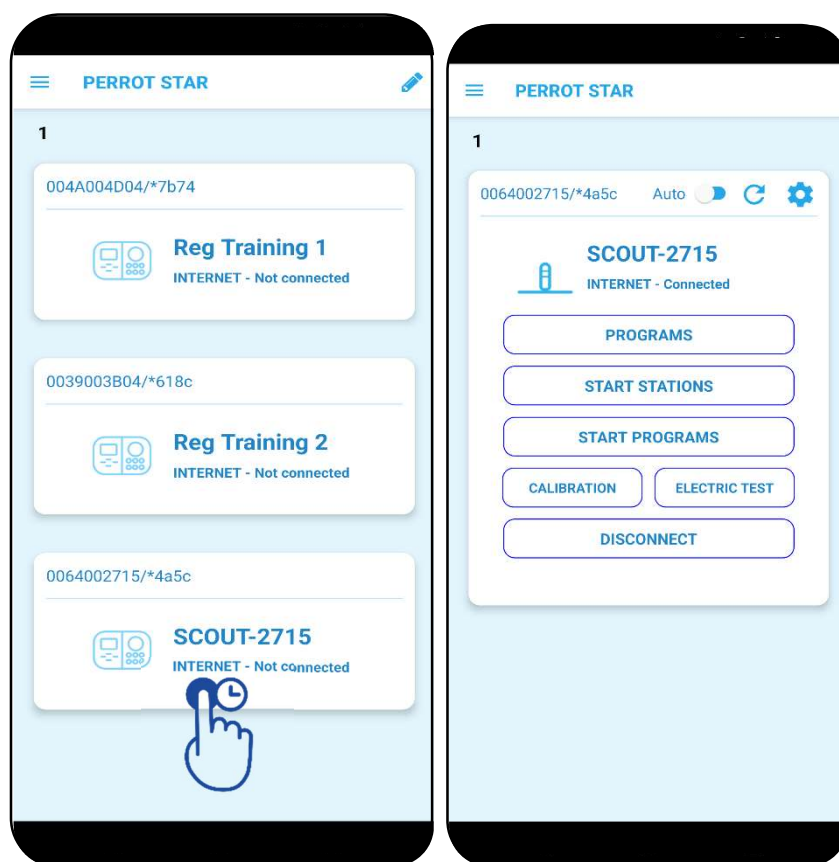
CLICK
TO UPDATE
FIRMWARE
(WIFI MODULE AND
CONTROLLER)



CLICK TO DELETE
THE UNIT

CLICK TO
CHANGE THE
NAME

Controlling the Unit with the APP



CLICK ON THE
CONTROLLER TO
CONNECT

CONTROLLER STATUS

Automatisch



AUTO OPERATIVE
OFF PAUSE/OFF



RELOAD / REFRESH THE VIEW



SETTINGS MENU

PROGRAMS

SETUP IRRIGATION PROGRAMS

START STATIONS

MANUAL VALVE/OUTPUT STARTS

START PROGRAMS

MANUAL PROGRAM STARTS

CALIBRATION


ELECTRIC TEST

PERFORM SYSTEM TESTS

DISCONNECT

CLOSE THE COMMUNICATION
WITH CON CONTROLLER

Settings Menu: Time, Date, Station Delay



← Settings

Set current date and time >

Controller 2nd language >

Station delay >

Sensor 1 >

Sensor 2 >

Sector scout >

Power OFF log >

← Set current date and time

Hour: 8 >

Minute: 36 >

Year: 2024 >

Month: 2 >

Day: 8 >

Cancel Confirm

← Station delay

ON OFF

0:07

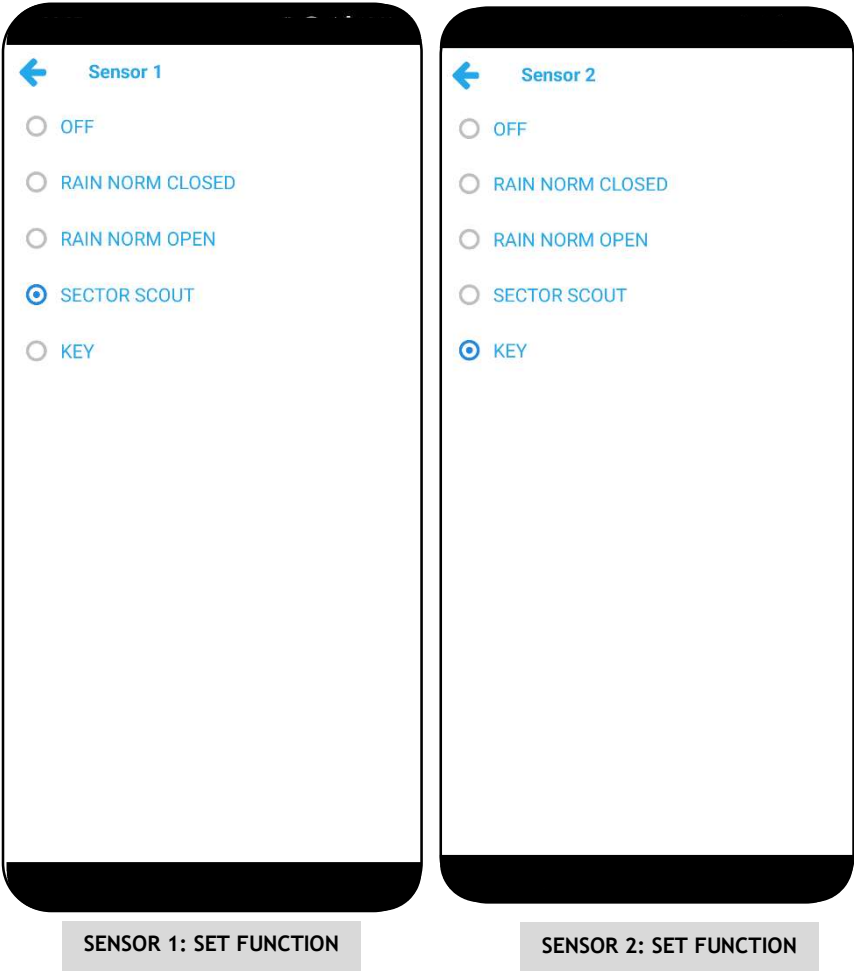
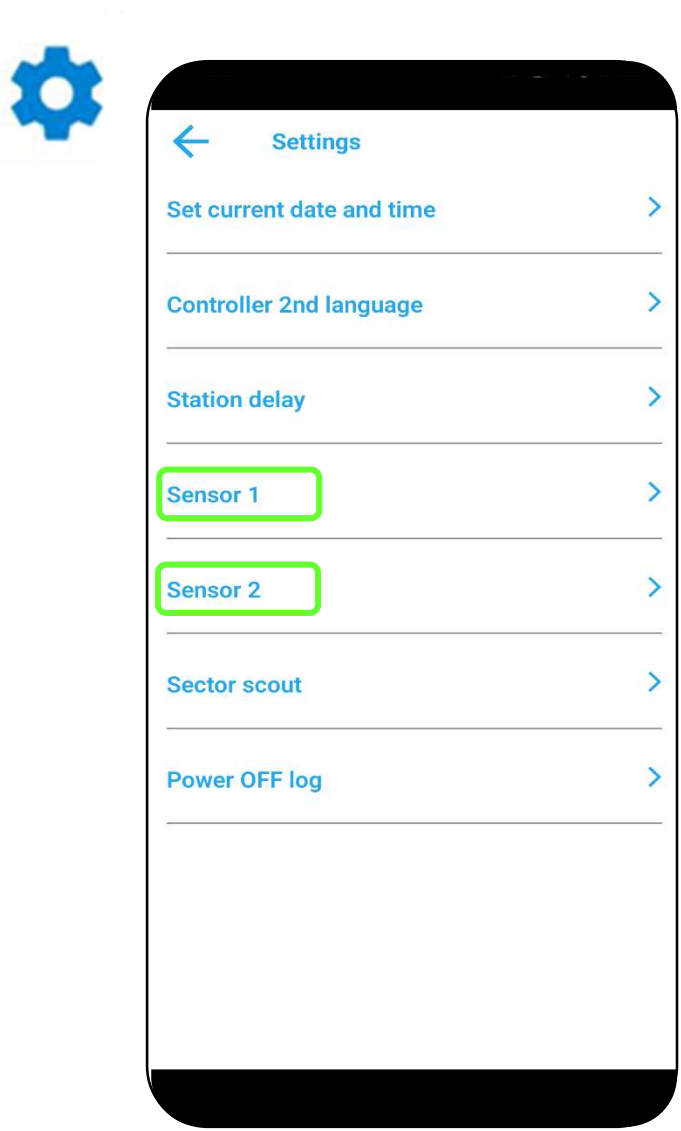
MM SS

Cancel Confirm


SET DATE AND TIME

SET BRAKE BETWEEN TWO STATIONS

Settings Menu: Sensors



Settings Menu: Sector Scout



← Settings

Set current date and time >

Controller 2nd language >

Station delay >

Sensor 1 >

Sensor 2 >

Sector scout >

Power OFF log >

← Sector scout

Station configuration >

Sensor time 1:00 >

Cycle time 1:10 >

← Station configuration

1 SECTOR SCOUT ENABLED ON SENSOR 1
AFTERRUN TIME LEFT 0:02
AFTERRUN TIME RIGHT 0:02 >

2 SECTOR SCOUT DISABLED >

3 SECTOR SCOUT DISABLED >

4 SECTOR SCOUT DISABLED >

5 SECTOR SCOUT DISABLED >

6 SECTOR SCOUT DISABLED >

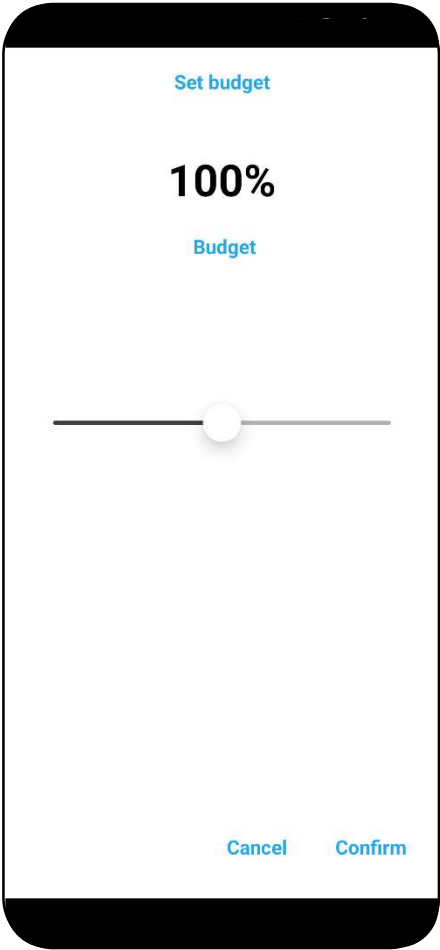
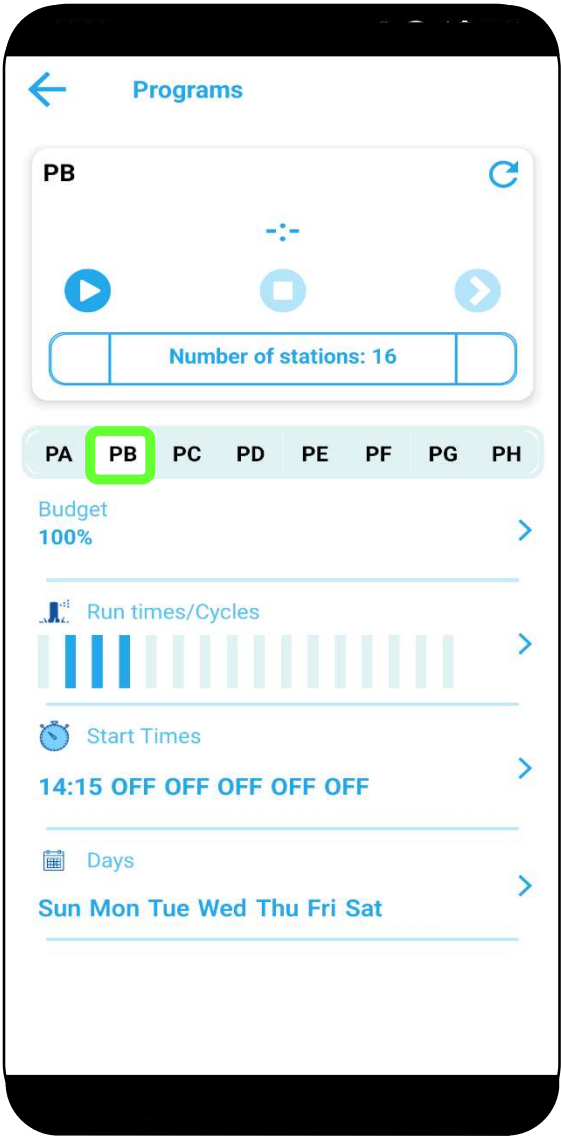
7 SECTOR SCOUT DISABLED >

8 SECTOR SCOUT DISABLED >

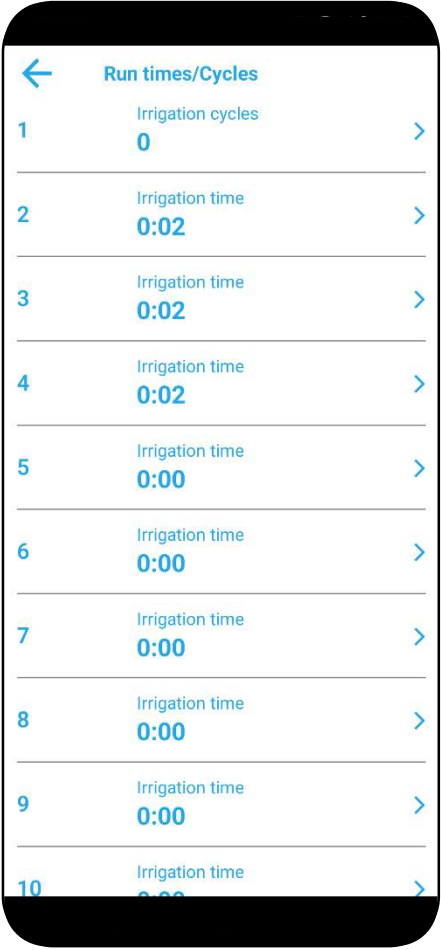
SET SENSOR- AND ZYKLE-TIME

SET STATIONS WITH SECTOR SCOUT

Irrigation Standard-Program Definition

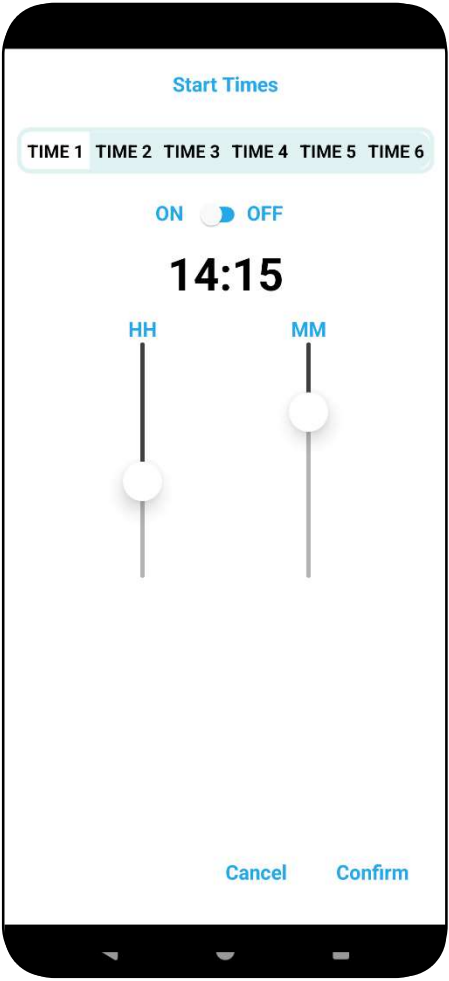
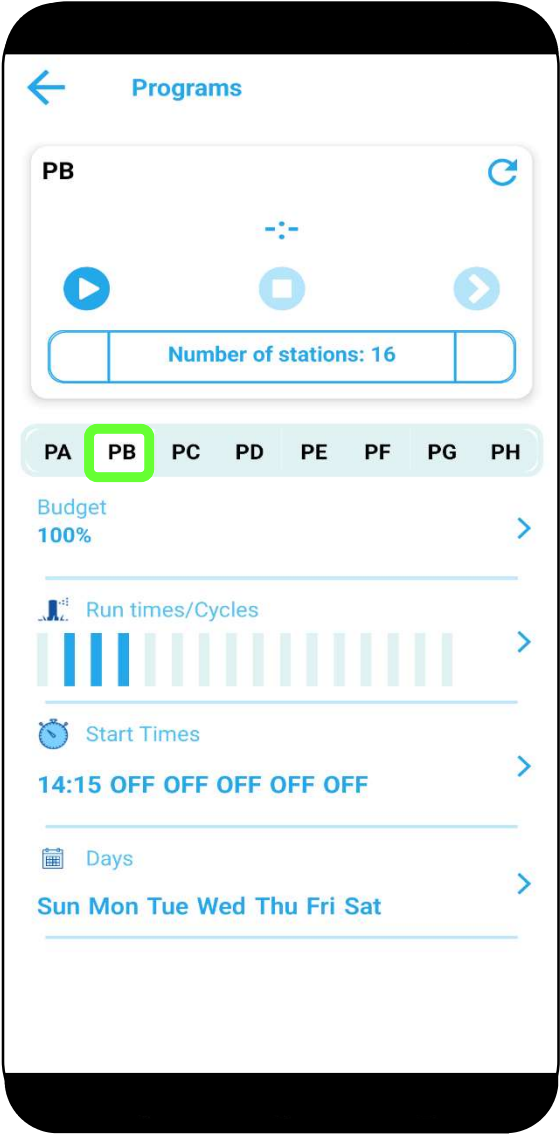


SET THE BUDGET FOR EACH PROGRAM

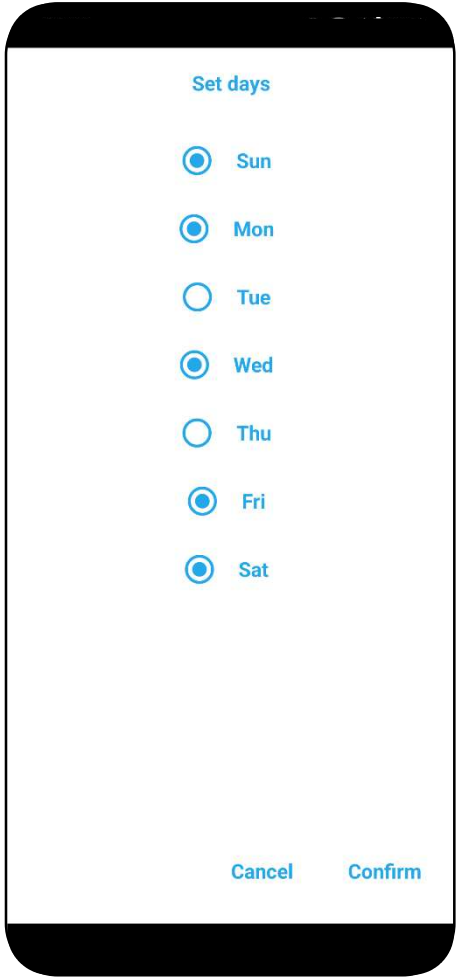


SET STATION-RUNTIME FOR EACH PROGRAM

Irrigation Standard-Program Definition

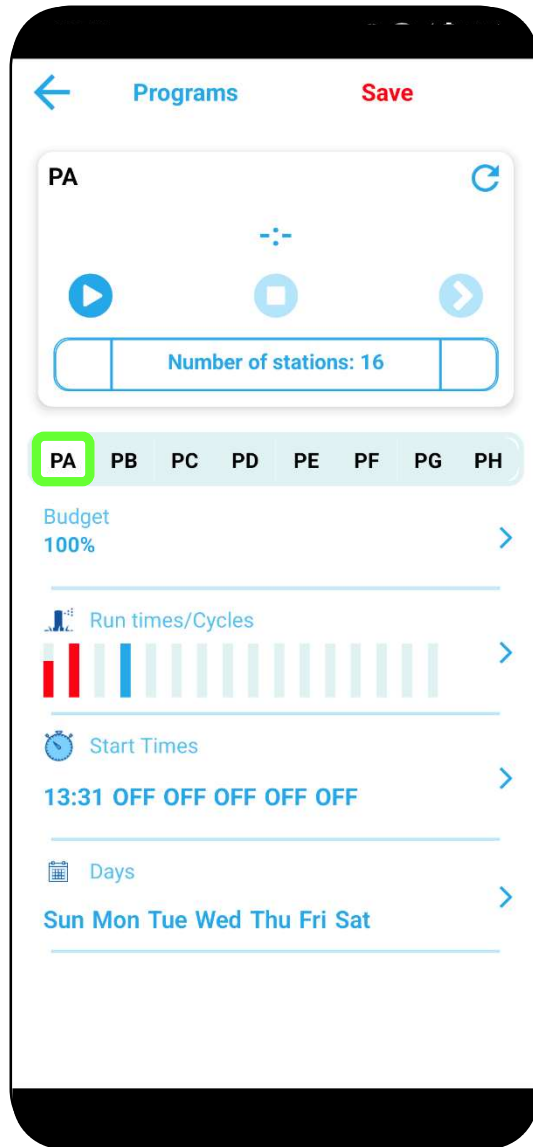


SETUP THE SHEDULED START TIMES
FOR EACH PROGRAM

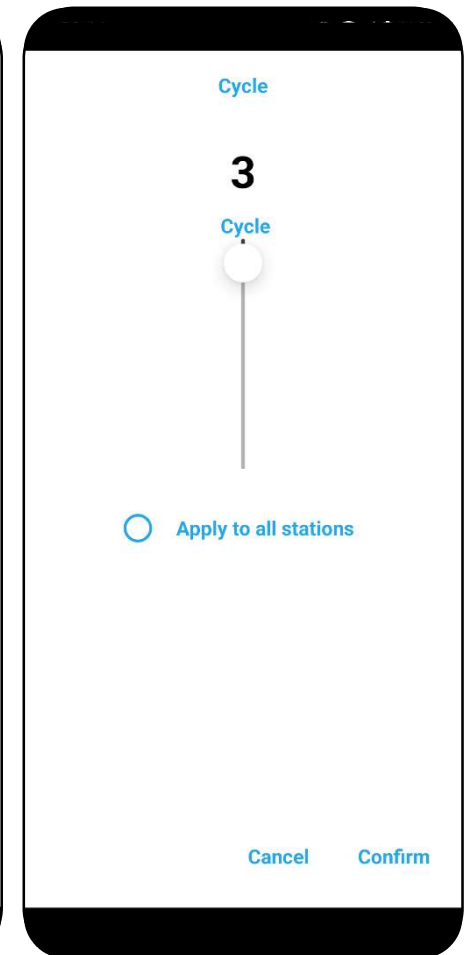


SET IRRIGATION DAYS FOR EACH
PROGRAM

Set Irrigation Program with SectorScout

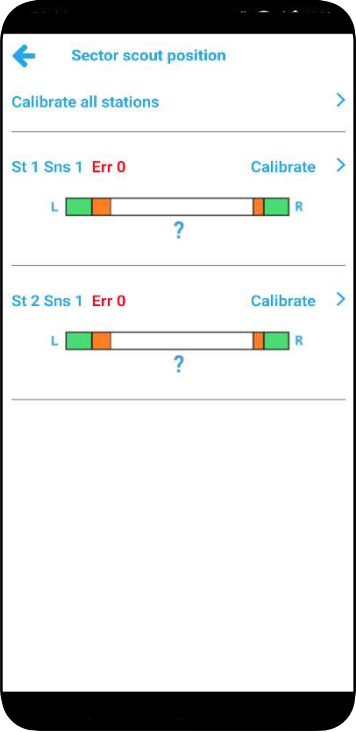
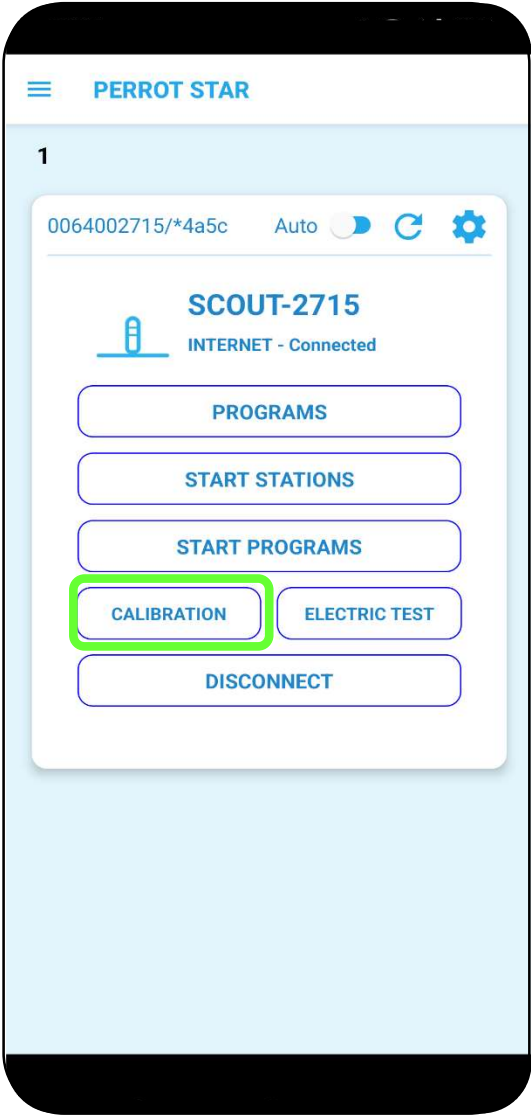


OVERVIEW OF CYCLE SETTINGS
(FOR SECTOR SCOUT) / WATERING
TIME

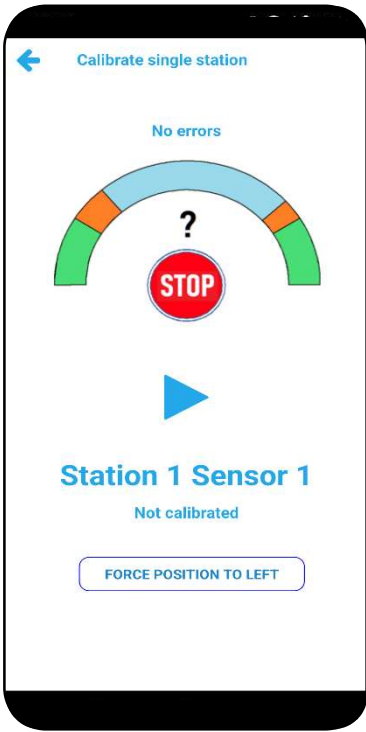


SETTING NUMBER OF CYCLES PER
SECTOR SCOUT STATION AND PER
PROGRAM

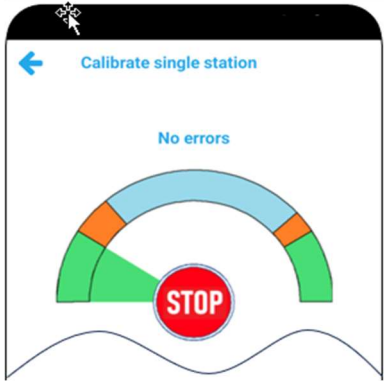
Sector Scout: Calibration



SELECT THE STATION TO BE CALIBRATED OR CALIBRATE ALL STATIONS

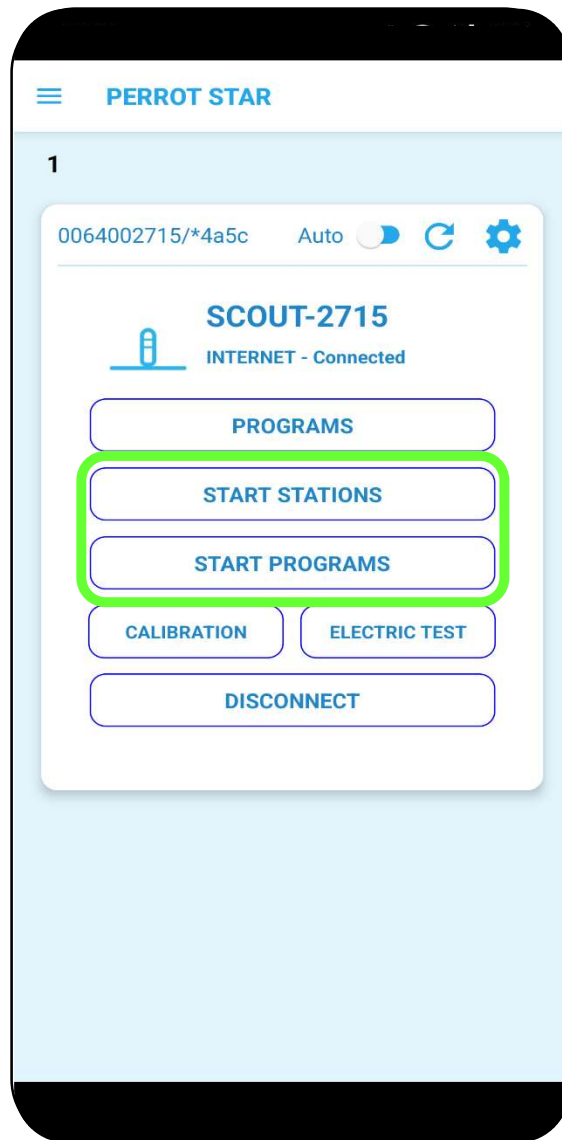


START OF CALIBRATION

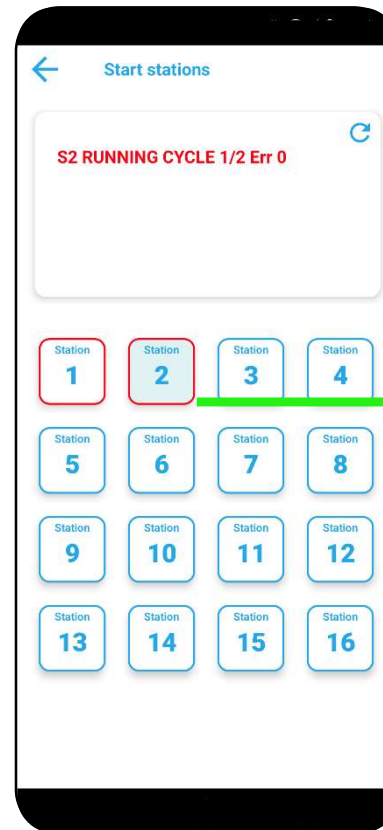


POSITION IS MARKED AFTER CALIBRATION

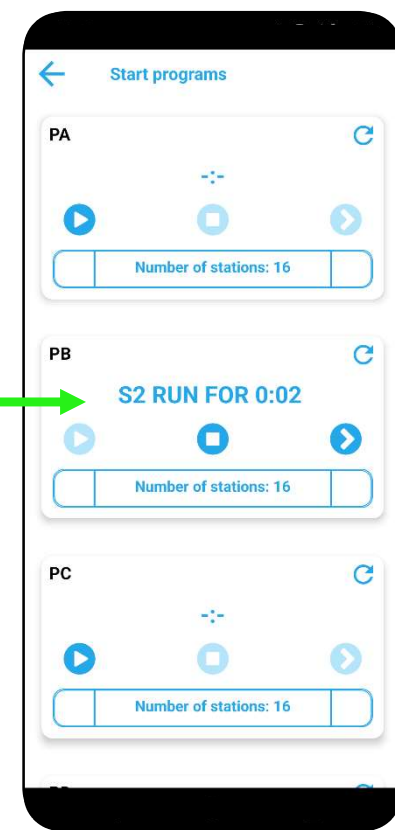
Manual Control



MANUALLY ACTIVATE STATION / OUTPUT



SELECT STATION / OUTPUT AND
SET IDLE TIME / NUMBER OF
CYCLES

ACTIVATE IRRIGATION
PROGRAM MANUALLY

SELECT THE PROGRAM TO BE
STARTED. THE WATERING/
ACTIVATION TIME OF THE VALVES
CORRESPONDS TO THAT IN THE
PROGRAMME DEFINITION

PRESS



TO REFRESH THE VIEW AND THE COUNTER

APPENDIX I : WiFi Communications Status

PRESS AND HOLD THE LEFT ARROW BUTTON OF THE CONTROLLER FRONT-PANEL TO READ THE COMMUNICATION STATUS:

INTERNET ON

the unit is online.

INTERNET OFF

Wi-Fi module is set but it can't go online. The module try to connect every 10'.

DIRECT ON

the controller is forced on "direct link" mode.

INTERNET OLD

old firmware, it is necessary to update the WiFi module at the latest version.

WIFI ERROR

the WiFi module is not working correctly.



APPENDIX IIa : Direct Link Mode

TO SWITCH COMMUNICATION ON DIRECT MODE PRESS AND HOLD THE RIGHT ARROW BUTTON OF THE CONTROLLER FRONT PANEL.

CHANGE INTERNET/WIFI SSID or PASSWORD

The Controller in direct link is commonly used to restore the Internet mode in case of network changes (SSID, Password ...)

PRESS AND HOLD the Right Arrow of the controller front panel until the display show “direct ON” (5” to 10”)

HOW TO BACK ON INTERNET MODE

- Put the unit in “direct mode” (press and hold the Right Arrow button)
- Open the APP
- Delete the existing unit
- ADD new controller installing the unit following the standard process as new controller in “internet link” mode.



APPENDIX IIb : INTERNET OFF

SYMPTOMS: READING STATUS FAILURE

If the app stops to communicate with an existing controller the reason could be because the communication status “INTERNET OFF” .

ABOUT INTERNET CONNECTION CHECK

The controller automatically check the internet connection on 10' basis. This means that it perform a check on every 00 10 20 30 40 50 / hour

HOW TO RESTORE INTERNET-ON MODE

Check the unit status :

- Press and hold the left arrow button.
- If “INTERNET OFF”
- Power OFF the controller (10”) and Power ON

Check the unit status :

- Press and hold the left arrow button
- If **INTERNET ON**: controller is connected
- If **INTERNET OFF**: force to direct and follow the procedure at appendix IIa



APPENDIX IIc : NO STATION

SYMPTOMS: DISPLAY SHOWS “NO STATION”

IT MAY HAPPENS WHEN

- A) Performing a FACTORY RESET when the front panel is disconnected.
- B) Performing a FACTORY RESET when the front panel is properly connected but the controller is no powered
- C) If the controller is modular, no module installed

HOW TO RESTORE

Delete the unit from the APP

Be sure the transformer is ok and the controller properly powered.

Be sure the front panel is properly installed (take off and put back on)

Try to connect (after 15” and within 45”) in **direct mode**. If it succeeds, perform the firmware update and then follow up the standard procedures.

If not contact the sales representative.



APPENDIX V : WI-FI Module Firmware Upgrade

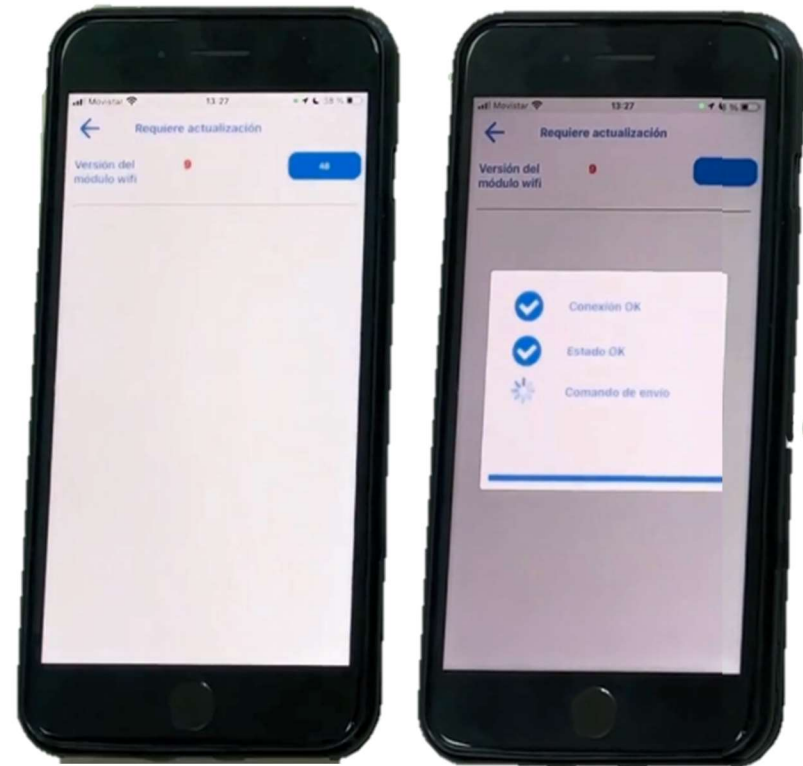
AT THE FIRST INSTALLATION EVER IT MAY BE POSSIBLE THE WI-FI MODULE REQUIRES A FIRMWARE UPDATE BEFORE PROCEEDING.

IF IT IS NECESSARY, APP WILL ASK TO UPDATE THE WIFI MODULE.

NOTE:

ONCE THE FIRMWARE IS UPDATED IT IS NECESSARY TO RESTART THE ADDING CONTROLLER PROCEDURE FROM THE BEGINNING.

1. **CLOSE THE APP**
2. **POWER OFF THE CONTROLLER FOR 15”**
3. POWER ON THE CONTROLLE AGAIN
4. OPEN THE APP
5. RESTART THE PROCEDURE FROM THE BEGINNING STARTING FROM PAGE 5 OF THIS USER GUIDE



APPENDIX VI : BLANK DISPLAY AFTER UPDATE

SYMPTOMS: DISPLAY OFF AFTER SOFTWARE UPDATE

IT MAY HAPPENS WHEN

1. FRONT PANEL REMOVED DURING THE UPGRADE PROCEDURE
2. POWER FAILURE DURING THE UPGRADE PROCEDURE
3. RESET PROCESS DURING THE UPGRADE PROCEDURE

HOW TO RESTORE

1. POWER OFF (5")
2. POWER ON CONTROLLER
3. PRESS RESET BUTTON
 - a. CONTROLLER DON'T START → STEP 4
 - b. CONTROLLER START → CHECK THE FIRMWARE VERSION AND PERFORM UPDATE PROCESS IF NOT UPGRADED
4. POWER OFF (TRANSFO) AND WAIT 10"
5. PRESS RESET BUTTON
6. WAIT 3' AND POWER ON AGAIN
7. DISPLAY OFF or UPDATE → REPEAT FROM STEP 4

For Technical Assistance:

www.toro.com/tempus

