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Padman AUTOMATION
Innovative IRRIGATION Solutions

User Manual

Padman Automation Management System (PAMS) Mobile App

Padman Automation Management System Mobile App

User Manual

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8.0 Frequently Asked Questions

Question	Answer	Page Ref
TBA		

User Category	Actions Available
Admin	TBA
Viewer	TBA

7.3 My Account

Tapping on **My Account** brings up the following screen, showing details of the current user and the ability to change the sign-in password for that person.

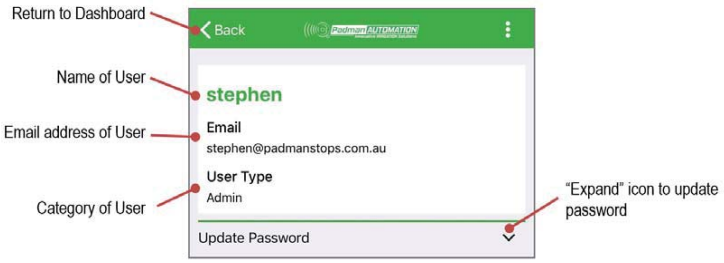


Diagram 21: *Account Information screen*

74 Changing Account Password

To change the sign-in password, tap on the "expand" arrow icon (refer Diagram 21) and the following screen will appear:

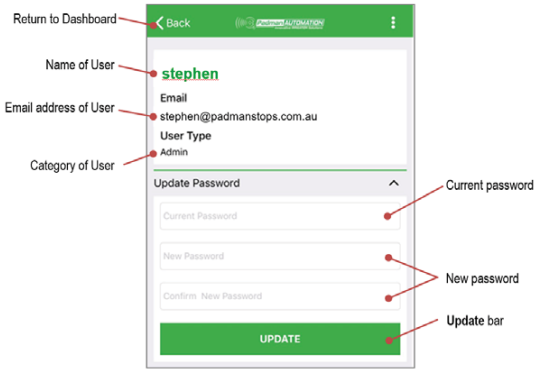


Diagram 22: *Password Update screen*

Before the password can be changed, the existing password must be entered in the **Current Password** field. The new password can then be entered in both the **New Password** and **Confirm New Password** fields.

Tap the **Update** bar to complete the process. The password has now been updated.

7.5 About

This field is not currently used.

7.6 Logout

Tapping on **Logout** completely logs the user out of the Padman PAMS App. This is not necessary if irrigation is being continually monitored or programmed via the App but it is good practice to do so if it is not to be used for some time (eg: more than a week).

Logging out of the PAMS App does not stop any scheduled events from taking place, however it is best not to log out immediately after an event has **been** scheduled vis the App. Five minutes should be allowed to ensure that all commands have been synchronised between the mobile device and the equipment in the field.

1.0 Introduction

The Padman Automation App allows the following Padman products to be monitored and/or controlled from your mobile device:

Monitoring and Control	Monitoring Only
AutoWinch Seasonal	ChatterBox PRO
AutoWinch PRO	Talkin'Tower (TnT)
EDT PRO	Measure Meter PRO
MultiController PRO	Sensor Meter PRO
	Soil Watcher PRO

2.0 Setting Up the Padman App

2.1 Downloading the PAM App

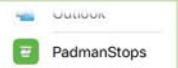
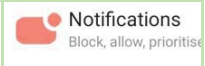
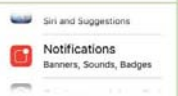
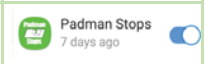
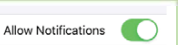
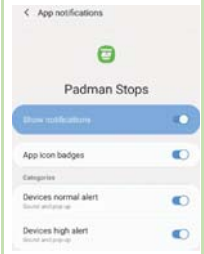
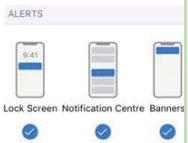
The Padman Automation Management System (PAMS) App is free of charge and is available on either the App Store™ for Apple devices or Google Play™ for android devices. Search for "Padman Automation" then download it.

The first time the app is opened, **User Name** and **Password fields** will appear on the device screen. The User Name should be the same as the email address that you have registered with Padman stops. Enter the full email address, eg: johnsmith@bigpond.com.

The password is **Padman@123** (note the capital "P"). Upon opening the app for the first time you will be asked to enter a new password of your choice. The above password will expire if not used within 14 days of the AutoWinch being configured. If you are confronted with a "This password has expired" message, please ring customer support at Padman Automation on (03) 5874 5282.

2.2 Turning on Message Notifications

The PAMS App can send text message notifications to confirm opening and closing of outlets as well as signals from monitoring devices. For this to occur, the mobile device will need to be configured so that notifications are set for the App. The method for doing this may vary from phone to phone but will be similar to the following instructions.

Apple iOS Devices		Android Devices	
1. Tap on the **Settings** icon on the home screen,		1. Tap on the **Settings** icon on the home screen,	
2. Scroll down to the programs listed near the end of the page and tap on the **PadmanStops** icon,		2. Tap on the **Notifications** icon,	
3. Tap on the **Notifications** icon,		3. Scroll down to the Padman Stops icon and turn on.	
4. Turn on the **Allow Notifications** setting,		4. Set the following to ON: • Show notifications • App icon badges • Devices normal alert • Devices high alert	
5. Ensure that **Lock Screen**, **Notification Centre** and **Banners** are ticked.			

3.0 The Dashboard

The Dashboard is the main, or home, screen. It lists the devices linked to your account as well as a summary of their status. The following key information is displayed:

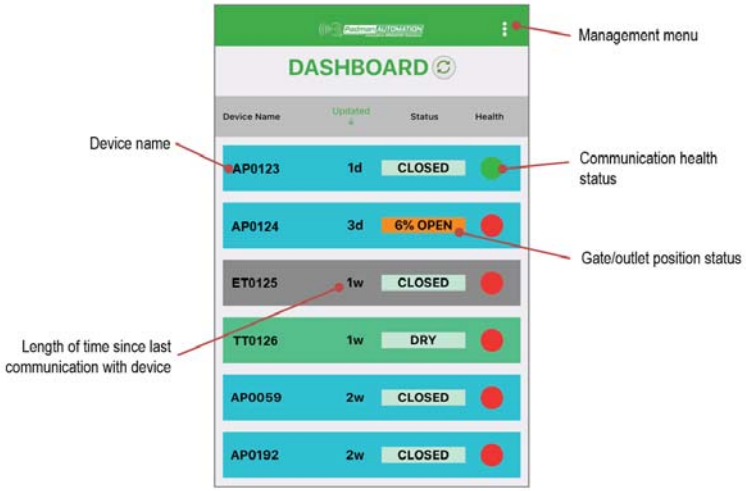


Diagram 1: *Example of Main Dashboard Screen*

3.1 Device Name

This is the name allocated to the device. The default setting uses the serial number of the device as displayed on its identification plate.

The first two letters indicate the type of device whilst the colour of the background strip allows identification of the type of product at a glance:

Letter Code	Device Description	Strip Colour
AP	AutoWinch PRO	Blue
AI	AutoWinch Seasonal	Blue
ET	Electronic Dual Timer PRO	Grey
TT	Talkin' Tower (TnT) PRO	Green
CI	Chatterbox PRO	Green
SW	SoilWatcher PRO	Green
MM	MultiMeter PRO	Green

Note that the Device Name can be changed at any time (refer to Section 4.1 Change Device Name).

3.2 Communication Update

This figure, described in days (eg: 5d = 5 days) or hours (eg: 12h = 12 hours) indicated approximately how long since the device was contacted by the PAMS App or vice versa.

3.3 Device Position Status

The information shown will depend upon the type of device. The background colours for the status will vary to allow quick identification

<u>AutoWinches and Timers</u>

This indicates the door position of the outlet, with a closed outlet having a pale green background and an open or partially open outlet having an orange background.

7.1 Managing Devices

Tapping on Manage Devices brings up the following screen, allowing devices to be temporarily isolated from sending or being controlled via the APP

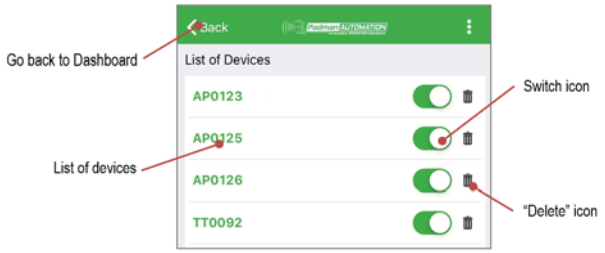


Diagram 18: *Device Management Screen*

CAUTION: This screen also allows devices to be deleted from the PAM App by tapping on the rubbish bin "delete" icon next to the switch icon. Care needs to be taken when managing devices so they are not inadvertently deleted. Should this happen, contact Padman Stops.

7.2 Managing Users

Tapping on Manage Users brings up the following screen, allowing details of current users to be checked or added.

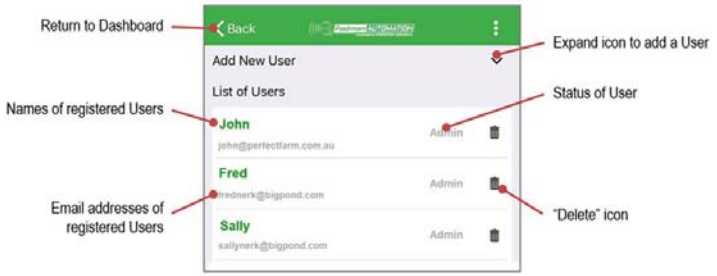


Diagram 19: *User Management screen*

If an additional User needs to be added, tap on the expand icon as shown in Diagram 12. The following screen will then appear:

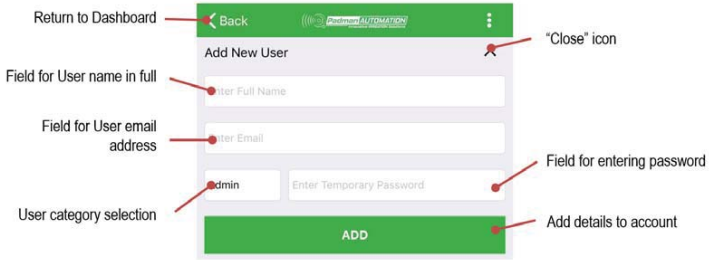


Diagram 20: *User Addition screen*

The fields are self-explanatory. Note there are two categories of User, available by tapping on the Admin field then scrolling through the choices that appear at the bottom of the screen:

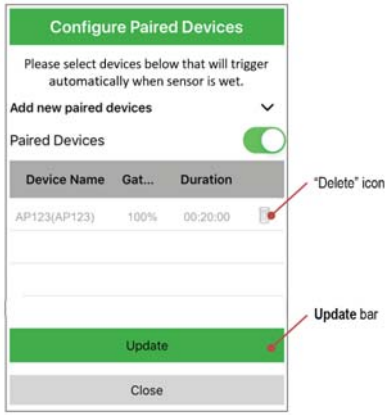


***Diagram 15**: Slave Device deletion*

Tap the rubbish bin "Delete" icon, after which the following pop-up warning will appear. Tap Yes to delete the pairing of the Slave Device.

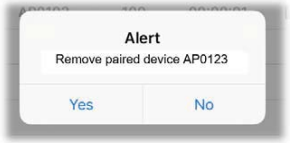


***Diagram 16:** Deletion Warning pop-up*

Finally, tap on the Update bar (refer to Diagram 15). The pairing has now been deleted.

6.5 Final Pairing Checklist

- ✓ Notifications for the Padman App are turned "ON" on your mobile device
- ✓ "Paired Devices" icon is activated on the Trigger Screen (see Diagram 3)
- ✓ All Trigger Devices and Sensor Devices have been turned ON and have been allowed to return to Sleep mode

7.0 Management Menu

By tapping on the three dots in located in the top right hand corner of the screen, the Management Menu can be accessed (refer to Diagram 17).

***Diagram 17:** Dropdown Management menu*

Sensors

This indicates whether water has or hasn't been detected by the sensor, with a dry sensor having a pale green background and a wet sensor an orange background.

3.4 Communication Health Status:

The device status is shown as either a red or green indicator.

A red indicator can be caused by any of the following:

- Device is turned off
- Battery is flat
- No network communication

Under any of these circumstances, it is not possible to operate, or schedule an action, of the device via the PAMS App.

3.5 Management Menu:

Selecting the Management Menu will allow overall settings to monitored ar changed (refer to Section 7.0 Management Menu for more information).

Tapping on any of the device serial numbers will bring up a separate sub-menu relating specifically to that device.

Note: If there are more devices than can be displayed on one screen, swipe up on the screen to scroll through all available devices.

4.0 Device Information Screen – AutoWinches and EDTs

By tapping on any of the device serial numbers for any AutoWinch or EDT, a new screen will open, providing detailed information and programming options for that particular device.

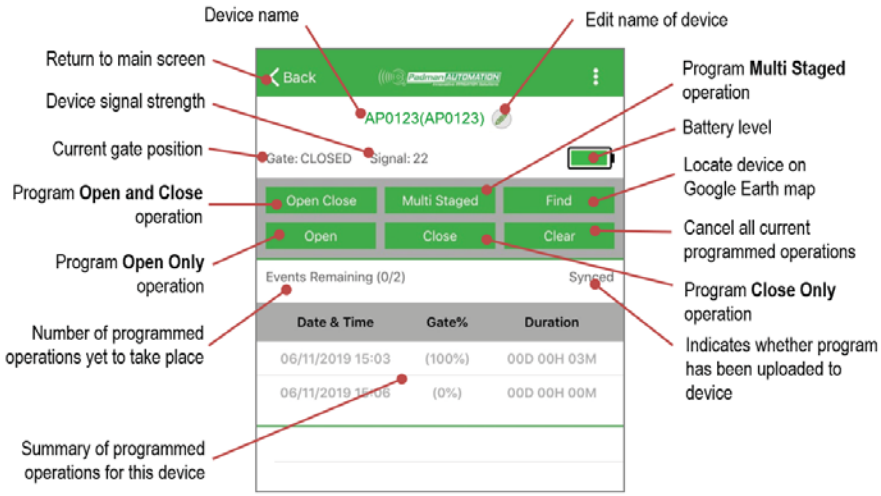


***Diagram 2:** Example of Device Information Screen*

4.1 Change Device Name

The default name allocated to the device is the serial number of the device as displayed on its identification plate. This name can be changed as required (eg: Winch 1) by clicking on the pen icon. The new name will be used on the main screen, whilst the device name shown on the Device Information Screen will show both the new name and the original default name, eg: Winch 1 (AP0123).

4.2 Find Device

Tapping the Find tab will bring up Google Earth and the last reported position of the device. Note that the device position will only be updated when one of the following occurs:

a) The Self-Test function is activated on the device,

b) A period of time has passed whilst in sleep mode, up to 12 hours, when the device will automatically update its position to the cloud.

4.3 Clear Program

Tapping the **Clear** tab will delete all currently programmed events.

4.4 Programming Outlet Operation

Tapping the **Open**, **Close** or **Open-Close** tabs will allow the device to be programmed via the PAMS App as follows:

4.4.1 Scheduled Open and Close

Using this option will cause the outlet to open to the position selected at the nominated time, stay open for the duration programmed, close and then turn off.

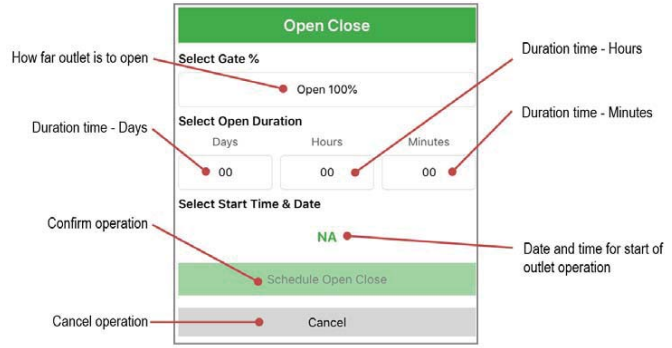


Diagram 3: *"Open Close" Programming Screen*

Clicking on each of the fields indicated above will bring up a scroll bar at the bottom of the screen where the appropriate value can be selected. Once all values are correctly entered, tap the green bar **Schedule Open Close** to lock in the operation.

The entered schedule will now be shown on the Device Information screen.

4.4.2 Scheduled Open Only

Using this option will cause the outlet to open to the position selected at the nominated time, stay open and then turn off.

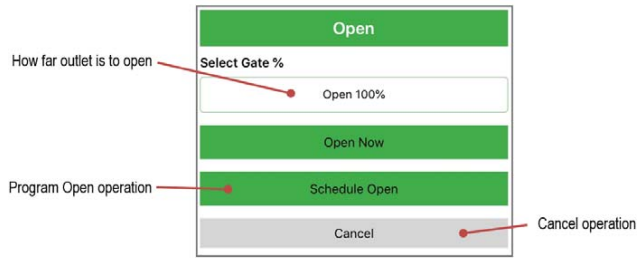


Diagram 4: *"Open Only" Programming Screen*

Clicking on each of the fields indicated above will bring up a scroll bar at the bottom of the screen where the appropriate value can be selected. Once all values are correctly entered, tap the green bar **Schedule Open** to lock in the operation.

The entered schedule will now be shown on the Device Information screen (refer Diagram 2).

4.4.3 Open Now

Using this option will cause the outlet to open to the position selected without programming a start time. Note that the device needs to be turned on and in Sleep Mode.

The time between commanding the outlet to open and the actual opening operation is approximately 5 minutes.

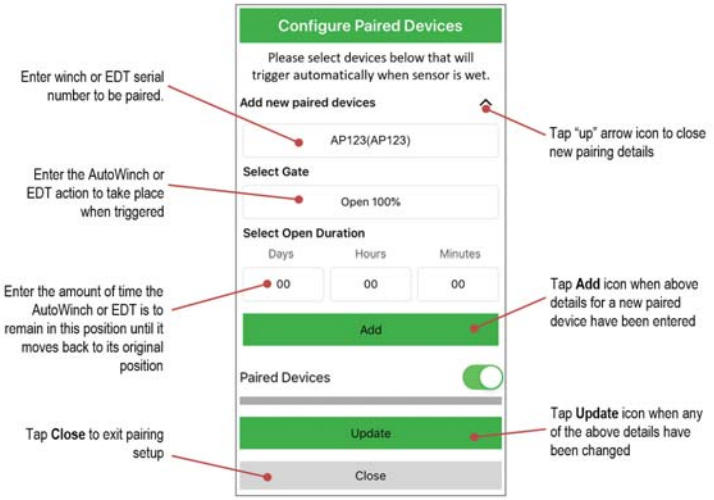


Diagram 13: *Parameters for Slave Devices*

Once the parameters have been entered, tap the **Add** bar. The display will revert to the Configuration Home Screen, showing the addition of the newly entered Slave Device (refer to Diagram 14).

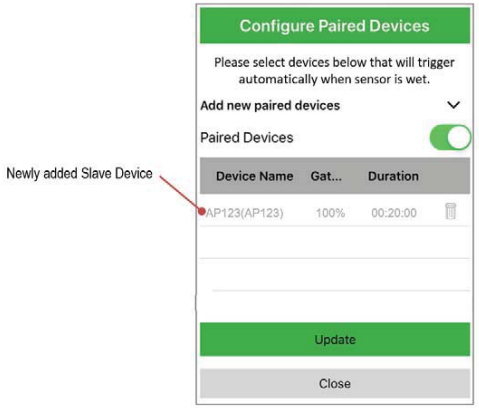


Diagram 14: *Display of newly added Slave Device*

6.3 How to Change Paired Device Parameters

To change parameters of an already entered Slave Device, it is necessary to delete that particular pairing (refer 6.3 Deletion of Paired Device) and then re-enter with the required parameters (refer 6.1 How to Pair Devices).

6.4 How to Delete a Device Pairing

On the main Dashboard Screen, tap on the appropriate Trigger Device (refer to Diagram 10), then tap the Trigger bar (refer to Diagram 11).

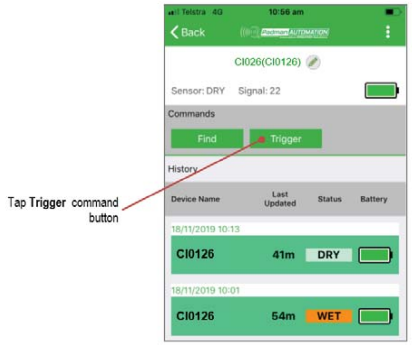


Diagram 11: *Tap on the Trigger command*

The following screen will then appear. Ensure the Paired Devices switch icon is on (green). To add new Slave Devices to be paired with this device, click on the "down" arrow icon.

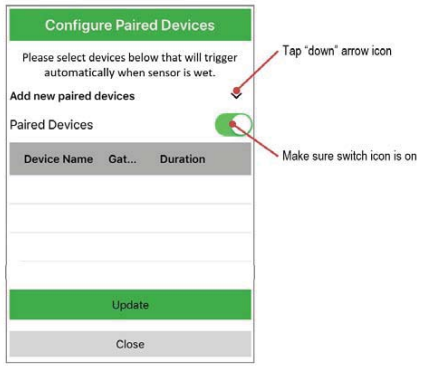


Diagram 12: *Configuration Home Screen for adding Slave Devices*

An extended screen will appear, allowing the entering of the following parameters for the Slave Device (refer to Diagram 13):

- The serial number of the Slave Device to be paired with the Trigger Device. This is typically an AutoWinch PRO, AutoWinch Seasonal or EDT PRO.
- The action the Slave Device is required to carry out when triggered by the detecting device.
- How long the Slave Device is to remain in this condition for returning to its original position. Note that if there is to be a follow-on command from another Trigger Device, then the Open Duration time will need to be sufficiently long enough to ensure that it does not actuate before receiving a signal from the detecting device. For most applications, 20 hours should be sufficient – this duration will never actually be reached.

Diagram 5: *"Open Now" Programming Screen*

No schedule for this operation appears on the Device Information screen.

4.4.4 Scheduled Close Only

Using this option will cause the outlet to close to the position selected at the nominated time, stay closed and then turn off.

Diagram 6: *"Close Only" Programming Screen*

Clicking on each of the fields indicated above will bring up a scroll bar at the bottom of the screen where the appropriate value can be selected. Once all values are correctly entered, tap the green bar Schedule Close to lock in the operation.

The entered schedule will now be shown on the Device Information screen.

4.4.5 Close Now

Using this option will cause the outlet to fully close without programming a start time. Note that the device needs to be turned on and in Sleep Mode.

The time between commanding the outlet to close and the actual closing operation is approximately 5 minutes.

Diagram 7: *"Close Now" Programming Screen*

No schedule for this operation appears on the Device Information screen.

4.4.6 Multi Staged

Using this option will cause the outlet to open in set increments at the nominated time, stay open for the duration programmed, close and then turn off.

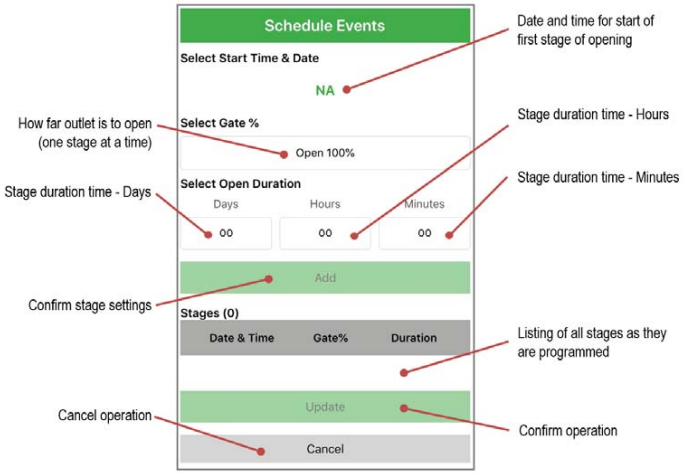


Diagram 8: *Multi-Staged Programming Screen*

Clicking on each of the fields indicated above will bring up a scroll bar at the bottom of the screen where the appropriate value can be selected. Once all values are correctly entered, tap the green Add bar to lock in each stage as it is entered then finally the green Update bar once all stages are entered to confirm the operation.

The entered schedule will now be shown on the Device Information screen.

5.0 Device Information Screen – Sensors

By tapping on any of the device serial numbers for any sensor, including Talkin' Tower, ChatterBox and SoilWatcher, a new screen will open, providing detailed information and pairing options for that particular device (refer to Chapter 6.0 for pairing instructions).

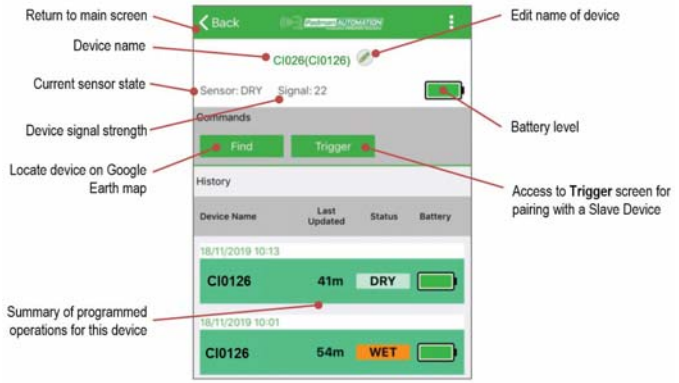


Diagram 9: *Example of Sensor Information Screen*

6.0 Device Pairing

6.1 What is Pairing?

The Padman PRO range of irrigation equipment consist of sensors, bay outlet actuation equipment and other operating devices that are internet enabled. This allows not only the various pieces of equipment to be monitored and/or controlled via mobile and PC apps but also to be connected together to be operated in pairs.

There are two categories critical to the pairing process: the sensing, or Trigger Device, and the operating, or Slave Device.

Triggering Devices	Slave Devices
ChatterBox PRO	AutoWinch Seasonal
Talkin'Tower (TnT)	AutoWinch PRO
Measure Meter PRO	EDT PRO
Sensor Meter PRO	MultiController PRO
Soil Watcher PRO	

A typical application would be when the water level or progress reaches a sensor (eg: ChatterBox PRO or Talkin' Tower) which in turn triggers a command in an AutoWinch PRO, causing it to close.

An example of this would be:

Irrigation bay A has an AutoWinch installed on its irrigation gate as a Slave Device. A Chatterbox is located towards the end of the bay as a Trigger Device. The AutoWinch is programmed to open at a nominated time. When the water reaches the Chatterbox, the Chatterbox signal causes the AutoWinch to close the irrigation gate to close.

Note that a Trigger Device can be connected to more than one Slave Device, allowing multiple devices to operate when the sensor is triggered.

Example 1: *The Trigger Device is paired to three AutoWinch PROs, causing all three bay outlets to open at the same time when the sensor device is trigged.*

Example 2: *The Trigger Device is paired to two AutoWinch PROs, causing one bay outlet to close and the other to open when the sensor device is triggered.*

6.2 How to Pair Devices

On the main Dashboard screen, tap the device to be used as the Trigger Device (refer Diagram 10). Typically, this will be a Chatterbox PRO, Talkin' Tower or Sensor PRO.

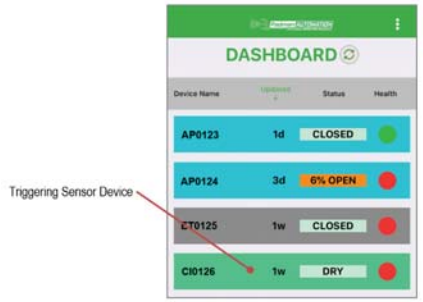


Diagram 10: *Tap on the Sensor that is to be the Trigger Device*

Tap the Trigger command to indicate that this device is to be paired with a Slave Device.