Kessil®
AP700 APP
User Manual
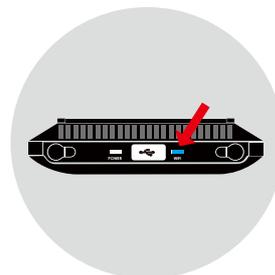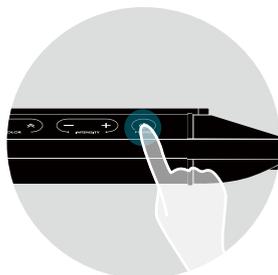

Connection

Step 1   Download App

- iOS version 8.0 or above is recommended.
- iPad mini 2 or newer (iPad Air, iPad mini 2, iPad Air 2, iPad mini 3, iPad mini 4, iPad Pro) is recommended.
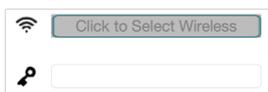- Open "App Store", Search for and Download "Kessil WiFi Controller".

Step 2   Connect Lamp (Follow the instructions on iPad App)

- Make sure the AP700 is connected to a wall outlet through power adapter.
- Touch the ⏻ button to turn on the AP700.
- Press ⌄ and + simultaneously to turn on WiFi. WiFi Indicator will flash.
- Open " Kessil WiFi Controller " and click " Add New Lamp ".

Use Wireless Router   Use household or store WiFi to connect (able to access internet at the same time)
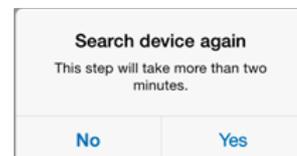
1 Make sure the AP700 WiFi indicator is flashing and press "Next".

2 Exit app and open iPad "Wifi" > "Wifi". Connect to AP700, then go back to app and press "Next".

3 Select WiFi Network (Household/Store) and enter password. Press "Next".

4 Exit app and open iPad "Settings" > "WiFi", connect to Wireless Router (Household/Store), then click "Next".

5 If only one AP700 to connect, press "Done".
If more than one, press "Set Next Lamp" and "Add Another AP700". Repeat 1. - 4.

6 When prompted by "Search device again" pop-up, press "No" if you find all your lights on the screen. Press "Yes" if you do not.

7 Wait approx. 2 minutes for data to load and for lamp interface to appear. The AP700 can now be controlled via app.

If no new lamp interface appears, press [⟳ Refresh List] in the top right corner.

WiFi SSID : Kessil_KDxxxxxxx
(WiFi SSID Label can be found on AP700)

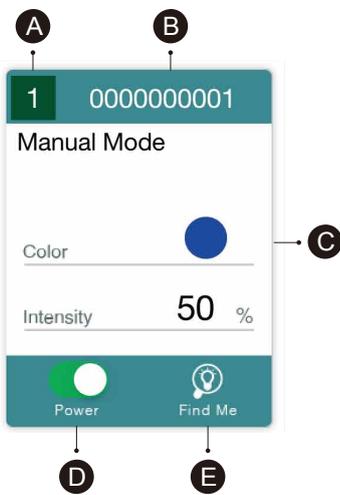## Connect Direct to AP700 Wireless router is not necessary

1 Make sure the AP700 WiFi indicator is flashing and press "Next".

2 Exit app and open iPad "Settings" > "WiFi", then connect to AP700. Go back to app and press "Next".

3 Create own password for the AP700, then press "Next".

4 Exit app and return to iPad "Settings" > "WiFi". Connect to the AP700 (WiFi SSID: Kessil_KDXXXXXXX) and enter password. Return to app and press "Next".

5 If only connecting one AP700, press "Done". If connecting more than one AP700, press "Set Next Lamp" > "Add Another AP700". Repeat steps 1-2.

6 Wait for around 30 seconds to load data. (Additional lamps may require longer loading times).

7 When lamp interface appears, the AP700 can be controlled via app. If no new lamp interface appears, press ⟳ Refresh List in the top right corner.

WiFi SSID : Kessil_KDxxxxxxx
(WiFi SSID Label can be found on AP700)

Control

Step 1 "Control Lamp" Interface

A **Group Number**: Syncs and controls multiple lamps

B **WiFi SSID**: Unique code found on AP700

C **Lamp Status**: Indicates Manual Mode or Program Mode

D **Power**: Turns AP700 on/off

E **Find Me**: Flashes light to indicate location.

* Press "Lamp Status" to control AP700.

A   B

1   0000000001
Manual Mode
Color
Intensity 50 %
Power   Find Me
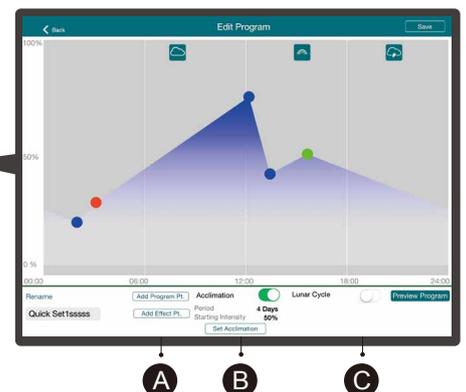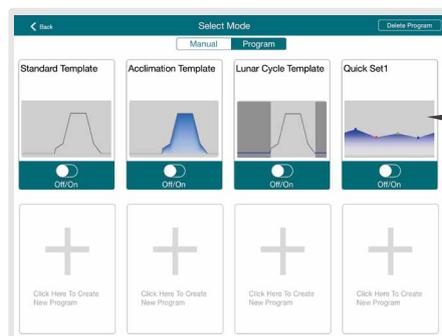D   E

Step 2 Control Instructions

Manual Mode

1 Set Color (Full Spectrum).

2 Set Intensity (from 0% - 100%).

3 "Save Current Color": Saves your combination of Color & Intensity (up to 12 sets). Combinations can be used in Program Mode.

4 "Use Saved Color"

5 "Demo Effect"

Storm   Cloud   Aurora   Rainbow

(Cannot change Color & Intensity while using demo effects)

Program Mode

1 Standard Template

2 Acclimation Template

3 Lunar Cycle Template

(Templates cannot be changed and saved)

4 5 others customized Quick Set Programs

(Can edit from templates)

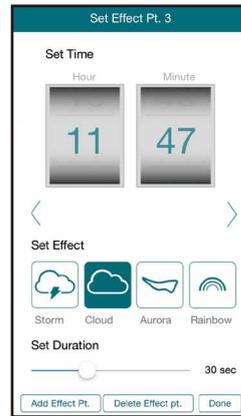A   B   C

A

Edit Program: Press "Create New Program" to create new programs or to edit from templates.

- Press [Add Program Pt.] (Max. 10 points) or any blue spots to set time, color, and intensity
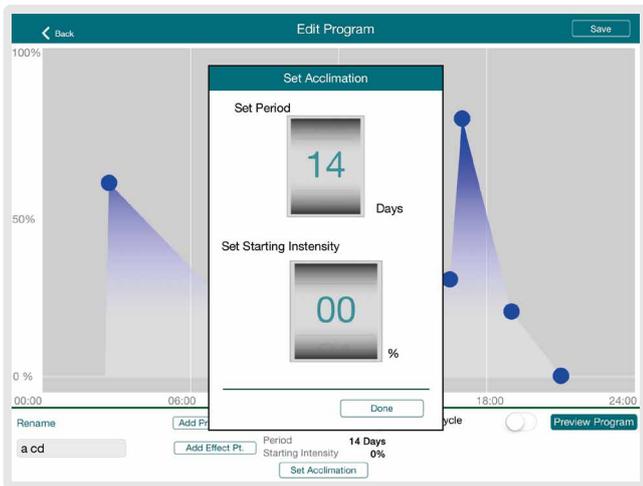- Press "Use Saved Color" to apply favorite sets.

- Press [Delete Program Pt.] once to delete point.
- Press "Done" to return to "Edit Program" screen.

- Press [Add Effect Pt.] (Max. 10 points) to add:

Storm   Cloud   Aurora   Rainbow

- Duration: 30 seconds to 120 seconds.
- Press [Delete Program Pt.] once to delete effect point.
- Press "Done" to return to "Edit Program" screen .
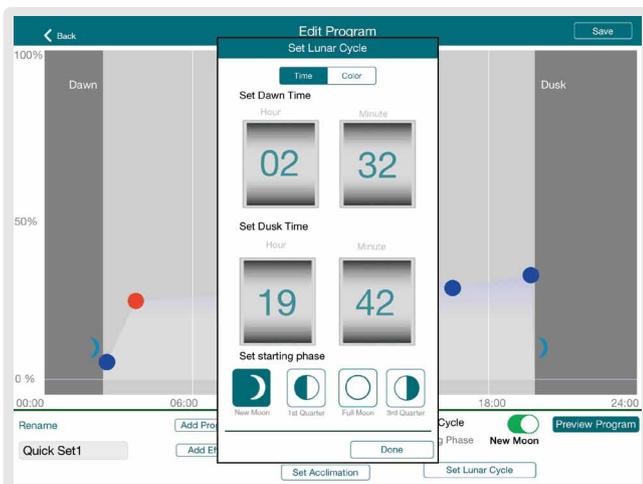- Effect point will appear on the top of the graph.

B

Press ( ) to the right of "Acclimation" and [Set Acclimation] to set an acclimation schedule.

Acclimation Mode allows user to lower the light intensity in order for creatures to acclimate to the new light. This can be used when adding new corals or when using Kessil LED lights for the first time. Lamps will ramp up gradually from starting intensity (start of period) to full intensity (end of period).

1 Set the length of acclimation and starting intensity.
2 Press "Done" to return to "Edit Program" screen.

C

Press ( ) to the right of "Lunar Cycle" and [Set Lunar Cycle] to set ramp up/ramp down schedule or add moonlighting feature.

Lunar Cycle decreases/increases intensity settings and simulates moonset/moonrise and moonlight by setting very low intensities at night.

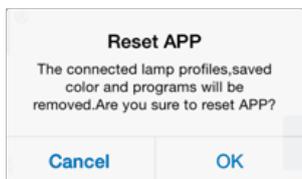1 Set the Dawn time and Dusk time.
2 Choose from four Starting Phase:

New Moon / 1st Quarter / Full Moon / 3rd Quarter

3 Press [Color] to choose Blue or Red Moonlight color.
4 Turn off Lunar Cycle to edit points.

- Review program with [Preview Program]
- Rename the program at the bottom left corner and then press "Save" when finished.
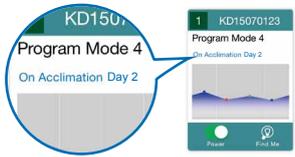- Press ( ) Off/On to turn on the program.

Ask for Help

- Go back to the "Select Lamp" page, press ☰ ⓘ Ask For Help

- Press [Check APP Version] to ensure it is the latest version.

- Press [Reset APP Data] to delete programs, colors, and disconnect AP700.

  Reset APP
  The connected lamp profiles, saved color and programs will be removed. Are you sure to reset APP?

  Cancel   OK

  1 Press "OK" to delete data.

  2 Press "Cancel" to keep data.

- Press kessil@kessil.com to send an email to Customer Service Team for help.

- Press [f] [🐦] [▶] to connect to Kessil's Facebook/Twitter/Youtube pages, to interact with other reefers, and to keep up to date on our latest news!

FAQ

Issue	Remedy
iPad cannot connect to AP700 WiFi SSID/Cannot find AP700 WiFi SSID under WiFi network selection	1 Make sure AP700 WiFi Indicator is flashing (Press ⌄ and ＋ simultaneously to turn on WiFi). 2 If AP700 WiFi SSID is still not found, unplug and replug power supply and turn on WiFi.
Information of lamp(s) is missing after setting up WiFi	1 Press "Refresh List" at top right corner. 2 Make sure AP700 WiFi Indicator light is solid blue. 3 If still not working, repeat Wi-Fi set up.
App crash during connection	1 Make sure you connect to the right network. 2 Reset app.
One or more lamp(s) is missing	1 Make sure you connect to the correct AP700 WiFi SSID/Wireless router. 2 Press "Refresh List" at top right corner.
How to delete connections with AP700	1 Press ⌄ and ＋ simultaneously, the WiFi Indicator will flash. 2 Wait 10~20 sec, press "Refresh List".
How to sync multiple lamps	1 Press "Group number" on the lamp interface. 2 Switch to the same number to put lamps into same group.
Electric Power shut down	1 Make sure AP700 is connected to the AC outlet. 2 Make sure you connect to the correct AP700 WiFi SSID/Wireless router, then press "Refresh List".
The App and the lamp(s) is not synchronizing under Program Mode	1 Make sure your iPad is at real time setting. 2 Disconnect (Press ⌄ and ＋ simultaneously) and reconnect the lamp(s) that is not syncing with the App.
How do I know the progress of the Acclimation Mode	Under "Select Lamp" screen, Lamp Status will show "On Acclimation Day X".
Cannot SAVE Program Mode Template	You can only SAVE a new program when performing "Create New Program" and edit from the templates.