

WEC+3 & PIXEL DANCER V5.0 USER GUIDE

16-bit RGB(W) Pixel Control over Wi-Fi
Closed or Open Network
ANDROID & iOS



Intelligent Illumination
from the Minleon Group



Presented by
Minleon USA

www.MinleonUSA.com

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Pixel
Dancer is
compatible
with all
WEC3
controllers:
Dual Port,
Boss, and
Mini
(pictured).



V5.0 WEC3 / PIXEL DANCER TABLE OF CONTENTS

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Look for the
"Pixel Dancer"
logo



Download on the
App Store



GET IT ON
Google Play

V5.0 WEC3 / PIXEL DANCER WHAT'S CHANGED IN THE APP?

1. LISTS ALL ACTIVE SCHEDULES IN CHRONOLOGICAL ORDER
2. CATEGORIZES "ROOFLINE" LINEAR EFFECTS, FROM "GRID" 2D EFFECTS FOR PERMANENT LIGHTING INSTALLERS.
3. ADDS NEW & LEGACY ROOFLINE EFFECTS: CHASE, BLEND, FIREFLIES, SECURITY, SPARKLE & LIGHTNING.
4. ADDS A "SHARE" BUTTON TO EMAIL/TEXT REMOTE ACCESS & BASE URLS TO CUSTOMERS & CO-WORKERS FOR EASY ACCESS.
5. ADDS A PASSCODE FOR CERTAIN "INSTALLER TOOLS" IN APP "SETTINGS" MENU.
6. MOVES EFFECT CONTROL SLIDERS BELOW THE EFFECT BUTTONS.
7. ABILITY TO IMPORT FAVORITES INTO THE SCHEDULER.
8. RENAMES "I LIKE" TO "FAVORITES".
9. ADDS LOCAL TIME ZONE TO "CURRENT TIME" IN SCHEDULER. (TAP THE TIME TO EDIT.)



V5.0 WEC3 / PIXEL DANCER WHERE TO GET THE UPDATES

To Get the App on your Smart device, phone or tablet:

FOR IPHONE AT APP STORE

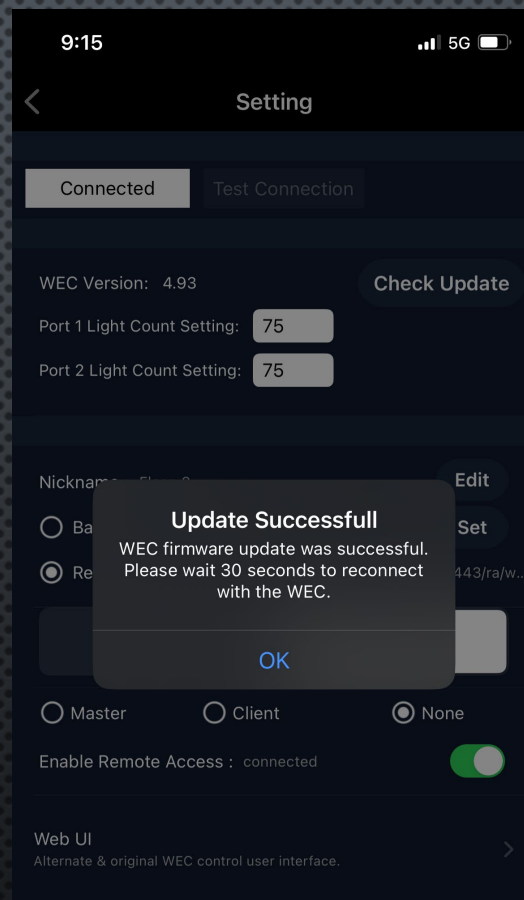
[HTTPS://APPS.APPLE.COM/US/APP/PIXEL-DANCER/ID1539840886](https://apps.apple.com/us/app/pixel-dancer/id1539840886)

FOR ANDROID ON GOOGLE PLAY

[HTTPS://PLAY.GOOGLE.COM/STORE/APPS/DETAILS?ID=COM.RAINMIN.PD&HL=EN_US](https://play.google.com/store/apps/details?id=com.rainmin.pd&hl=en_US)

To Update the WEC3 firmware via Pixel Dancer:

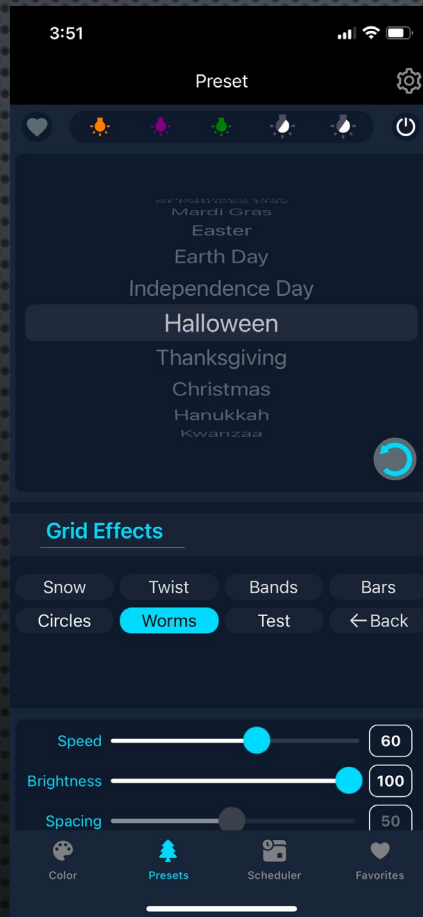
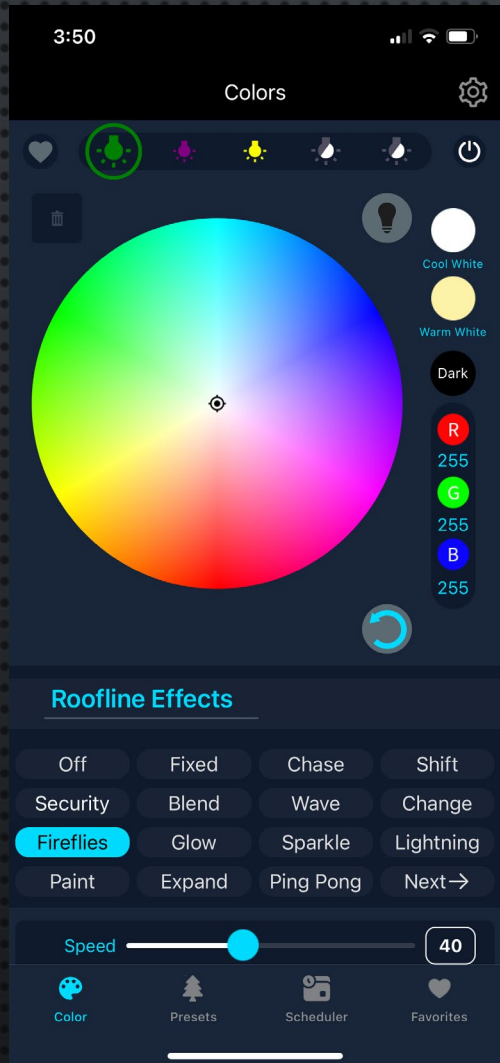
1. OPEN PIXEL DANCER APP
2. GO TO "SETTINGS" PAGE (GEARBOX IN TOP RIGHT CORNER)
3. SELECT "CHECK UPDATE"
4. UPDATE, IF PROMPTED.



PRO TIP: Be sure both are updated before installation & troubleshooting. We are constantly improving the App. Each update makes our installations easier.



V5.0 WEC3 / PIXEL DANCER ROOFLINE VS. GRID EFFECTS



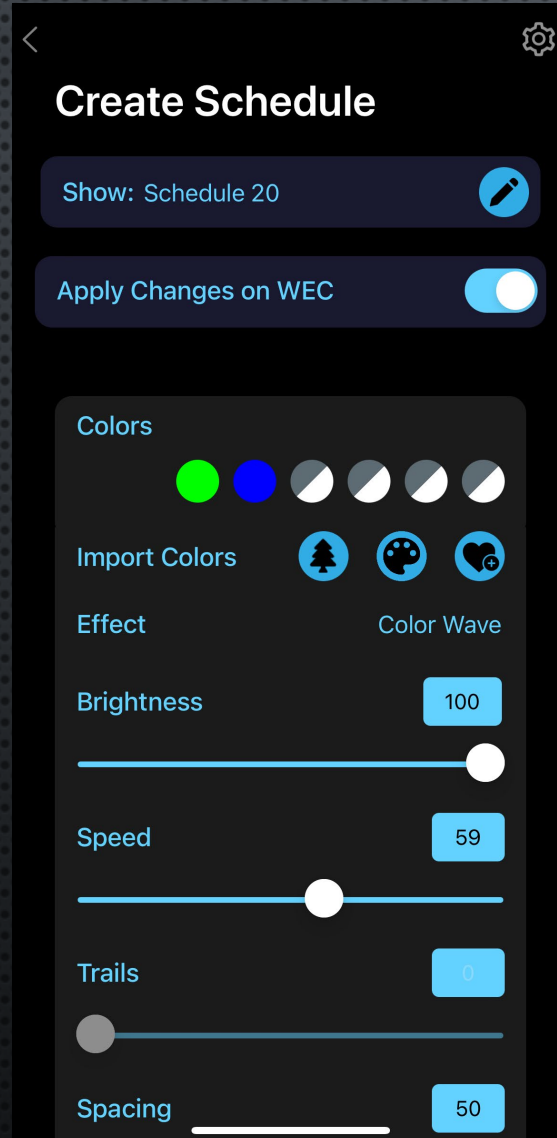
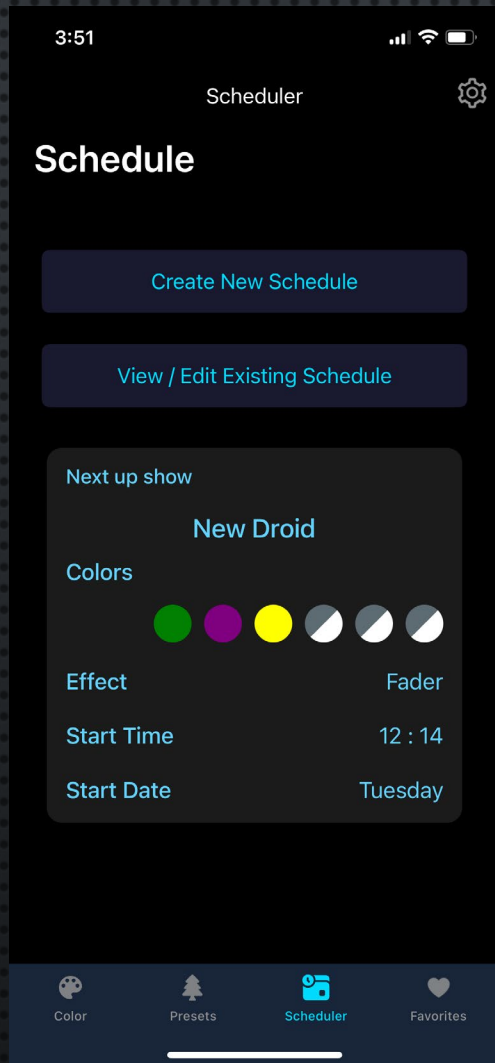
SOME OF THE WEC3 EFFECTS WILL DISPLAY BEST IN A STRAIGHT LINE, SUCH AS A ROOFLINE FOR BUILDING PERIMETERS ... WHILE OTHERS WERE DEVELOPED FOR 2-DIMENSIONAL **CONE TREES** & **PIXEL WALLS** (WHERE THE DESIGNER OR INSTALLER IS USING SMART T'S).

NOW **PIXEL DANCER** HAS THEM CATEGORIZED AS SUCH ON BOTH THE *COLORS* & *PRESETS* PAGES OF THE APP. NOTICE THE NEW ARROW BUTTONS, OR SIMPLY SWIPE LEFT.

PRO TIP: SOME OF THE GRID EFFECTS CAN WORK ON A ROOFLINE, OR BE OVERLAYED IN CREATIVE WAYS IN THE BACKEND WEB UI, FOR MOTIVATED DESIGNERS.



V5.0 WEC3 / PIXEL DANCER SCHEDULER PAGE



THE SCHEDULER IN **PIXEL DANCER** RECEIVED A MAJOR OVERHAUL IN SPRING 2025. QUEUES WERE ADDED TO LEAD INSTALLERS THRU A REDUCED NUMBER OF STEPS:

1. CHOOSE **CREATE NEW** OR **EDIT EXISTING**
2. DISPLAYS **NEXT-UP SHOW**, TO CONFIRM PROGRAMMING.
3. RENAME OR CLEAR THIS SCHEDULE BY SELECTING THE BLUE **PENCIL ICON**.
4. ABILITY TO SCHEDULE WITHOUT AFFECTING A CUSTOMER'S PRESENTLY ACTIVE SCHEDULE. THIS IS ESPECIALLY IMPORTANT FOR RA (REMOTE ACCESS) INSTALLERS/TECHNICIANS.
5. IMPORT HOLIDAY PRESETS, CUSTOM COLORS & FAVORITES.
6. ADJUST BRIGHTNESS, SPEED & OTHER DESIGNER SLIDERS TO MAKE YOUR INSTALLATION UNIQUE.



V5.0 WEC3 / PIXEL DANCER SCHEDULE DAYS & TIMES

ONCE WE HAVE OUR EFFECT SELECTED, PIXEL DANCER OPENS A NEW PAGE FOR US TO SCHEDULE THE TIME & DAYS WE CHOOSE TO RUN THIS EFFECT:

3:54 📶 🔋

< ⚙️

Tue Jul 22, 15:54

Schedule Time

Date= 7:July 28

Start Time 6 : 45

Run Time 5 : 0

Days 60

Done

1. THE **CURRENT DATE & TIME**, AS SET IN THE WEC3 DEVICE, IS DISPLAYED AT THE TOP RIGHT, ALONG WITH OUR TIME ZONE. THIS NEEDS TO MATCH THE SETTINGS ON OUR SMART PHONE/TABLET FOR THE SCHEDULER TO BE ACCURATE. *THIS UPDATES AUTOMATICALLY*, BUT THE VISUAL GIVES US CONFIDENCE THE TIME IS SET CORRECTLY IN OUR WEC3. (TAP THE TIME TO EDIT.)
2. BY TAPPING "**DATE=**", WE CAN SCHEDULE EFFECTS TO **START** ON A SPECIFIC MONTH/DAY, OR GENERIC DAY OF THE WEEK (MON. THRU SUN.)
3. **START TIME**: ALL TIMES ARE SET IN 24-HOUR FORMAT. SO WE CANNOT MIX UP AM / PM SETTINGS.
4. **RUN TIME**: HOURS, THEN MINUTES. THE LENGTH OF OUR SHOW ON ANY GIVEN DAY.
5. **DAYS**: NUMBER OF DAYS WE WOULD LIKE THIS EFFECT TO PLAY, BEGINNING AT THE START **DATE=**.



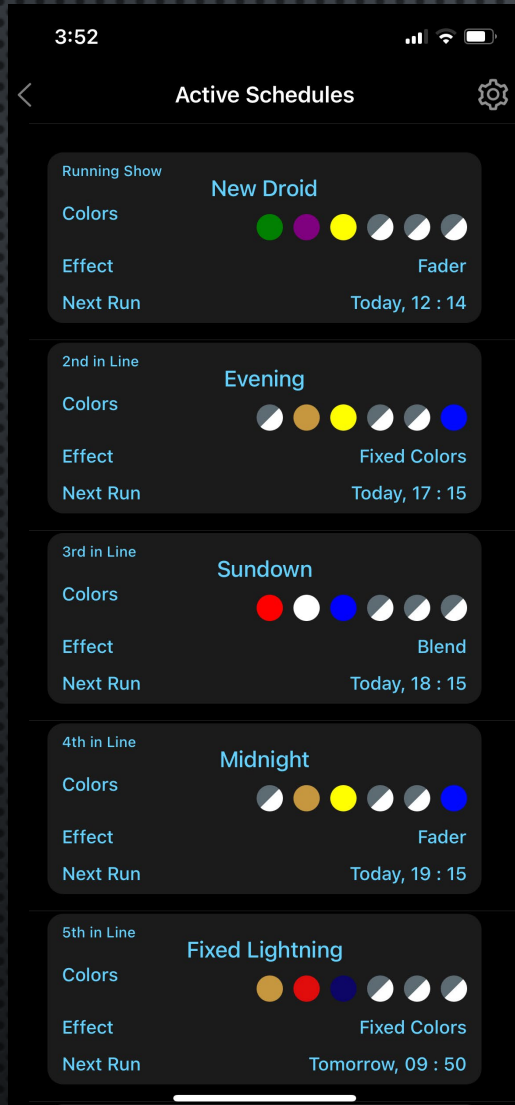
V5.0 WEC3 / PIXEL DANCER SCHEDULER PRIORITIES

HOW THE WEC+3 SCHEDULING PRIORITIES WORK:

- SHOWS ARE ALL ASSIGNED A PRIORITY. THE HIGHER PRIORITY SHOW RUNS FIRST. BUT IF 2 SHOWS HAVE THE SAME PRIORITY THEN THE **FIRST ONE ON THE LIST/SCROLL WHEEL RUNS FIRST.**
- **WEEKDAY SCHEDULES (MONDAY-SUNDAY) HAVE A LOWER PRIORITY** THAN SHOWS THAT RUN ON A PARTICULAR DATE. WEEKDAY SCHEDULES IS A GOOD PLACE TO SCHEDULE **DEFAULT WARM WHITE DISPLAYS**, FOR EXAMPLE.
- **TO HAVE A SHOW RUN MON THRU THUR**, SCHEDULE FOR MONDAY, AND SELECT **4 DAYS**. THIS WILL NOW RUN THROUGHOUT THE YEAR, UNLESS WE SCHEDULE A **"MONTH/DAY" SHOW WHICH WILL HAVE A HIGHER PRIORITY.**
- **SHOWS WITH SHORTER NUMBER OF DAYS & RUN TIMES HAVE A HIGHER PRIORITY THAN LONGER SHOWS.**

FOR EXAMPLE, IF YOU HAD A SHOW STARTING ON JULY 1 AND REPEATING FOR 30 DAYS, FROM 6PM-11PM, AND ANOTHER SHOW FOR JULY 4 FROM 6PM-11PM, THEN THE JULY 4 SHOW RUNS ON THAT DAY AND THE OTHER SHOW THE REST OF THE MONTH.

ANOTHER EXAMPLE OF LEVERAGING PRIORITIES: WE CAN ALSO HAVE A SHOW RUNNING ON A CERTAIN DAY FROM 6PM-MIDNIGHT, AND ANOTHER SHOW FOR THE SAME DAY FROM 9-10PM. THE FIRST SHOW WOULD RUN 6-9PM, SECOND SHOW FROM 9-10PM, AND **THEN FIRST SHOW WOULD RESUME FROM 10PM-MIDNIGHT.**



Schedule Time

Date=

1:January

1

Start Time

18

:

0

Run Time

4

:

0

Days

1

Cancel

Select A Week Day

Done

Date=

Monday

Tuesday

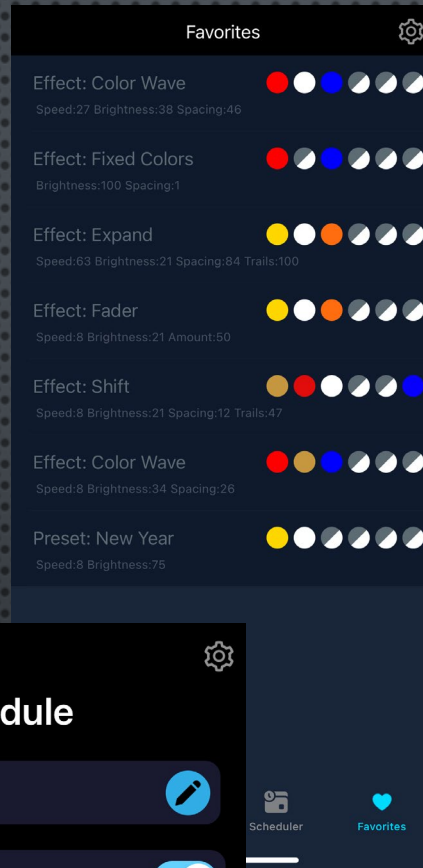
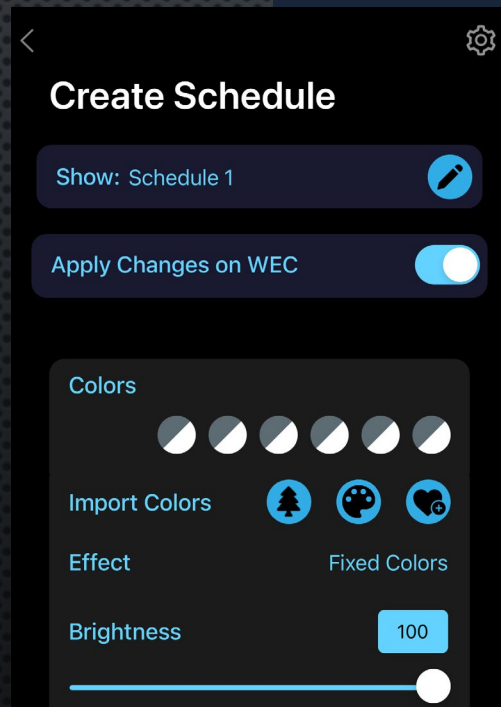
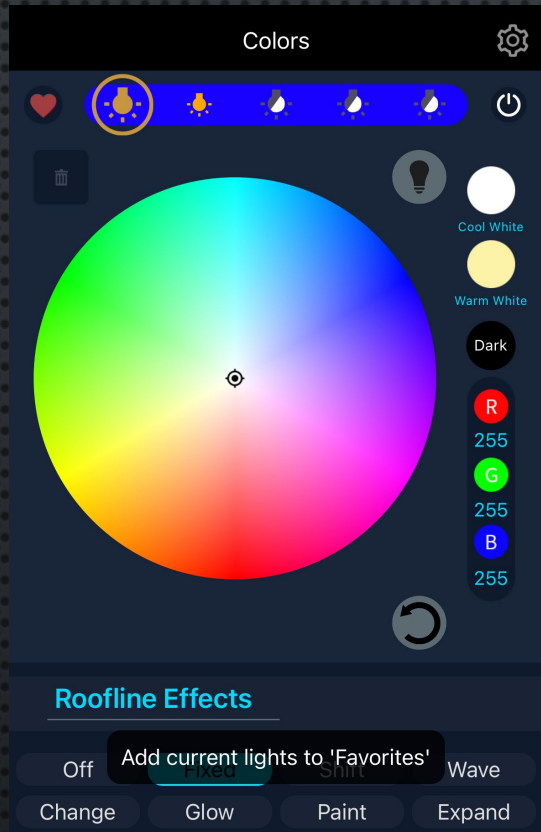
Wednesday

Thursday

Friday

V5.0 WEC3 / PIXEL DANCER SCHEDULE DAYS & TIMES

PRO TIP: If we select a WEEKLY SCHEDULE (MON-SUN), ANY **DAYS** SELECTION OVER 7 IS OVERKILL AND UN-NEEDED. THAT IS BECAUSE THE MONDAY-SUNDAY PART OF THE SCHEDULER IS ON A WEEKLY 7-DAY CYCLE. SO, FOR EXAMPLE, IF YOU SELECT “FRIDAY” EFFECT TO PLAY “3 DAYS”, THAT EFFECT WILL PLAY FRIDAY THROUGH SUNDAY. IF YOU SELECT “7 DAYS”, IT WILL PLAY FRIDAY THROUGH THURSDAY – AND THEN START BACK UP FRIDAY, HENCE PLAYING 7 DAYS A WEEK – UNTIL A COMPETING EFFECT IS SCHEDULED WITH A SPECIFIC MONTH AND DATE, OR SHORTER **RUN TIME**.



V5.0 WEC3 / PIXEL DANCER FAVORITES

NOTICE THE **HEART ICON** AT THE TOP LEFT CORNER OF **PIXEL DANCER**'S "COLORS" AND "PRESETS" PAGES. THIS IS HOW WE BOOKMARK OUR **FAVORITE** EFFECTS.

ONCE WE HAVE A DISPLAY WE WOULD LIKE TO REMEMBER, AND REUSE FOR OTHER INSTALLATIONS, TAP THE HEART TO IMPORT THAT EFFECT IN YOUR FAVORITES MENU – REACHABLE VIA THE ICON IN BOTTOM RIGHT CORNER.

THIS HEART ICON IS ALSO LOCATED IN THE SCHEDULER, WHEN THE APP ASKS US WHAT COLORS WE WOULD LIKE TO SCHEDULE.



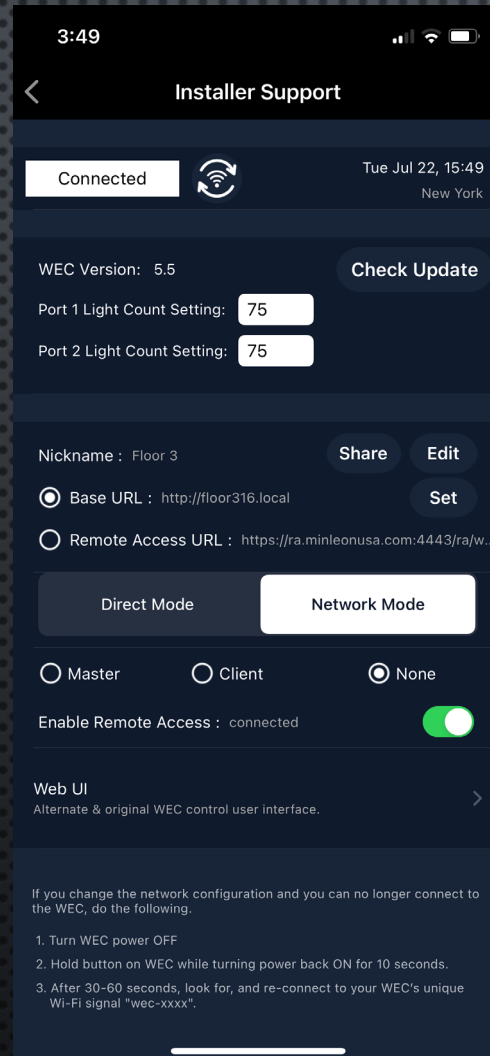
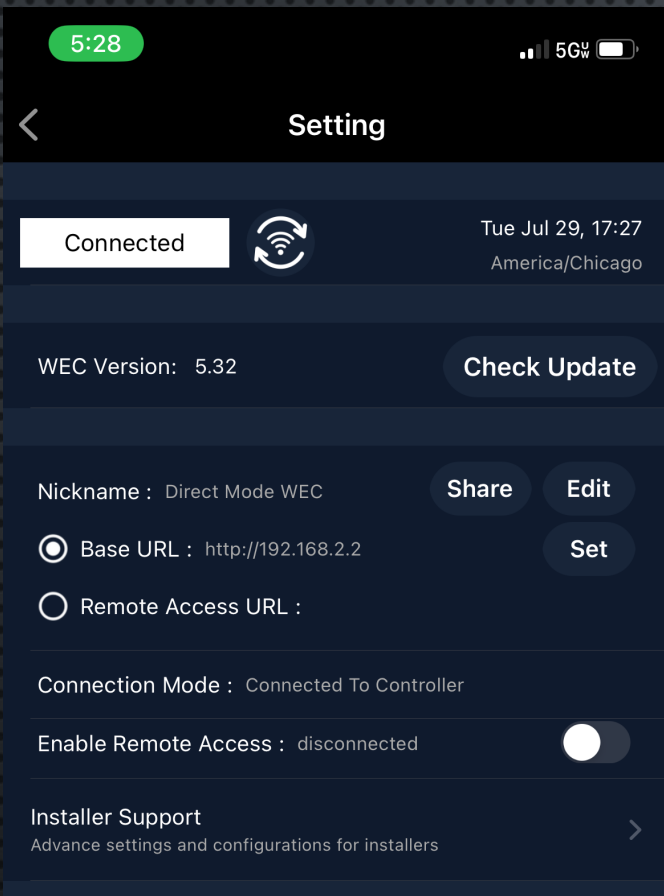
V5.0 WEC3 / PIXEL DANCER SETTINGS

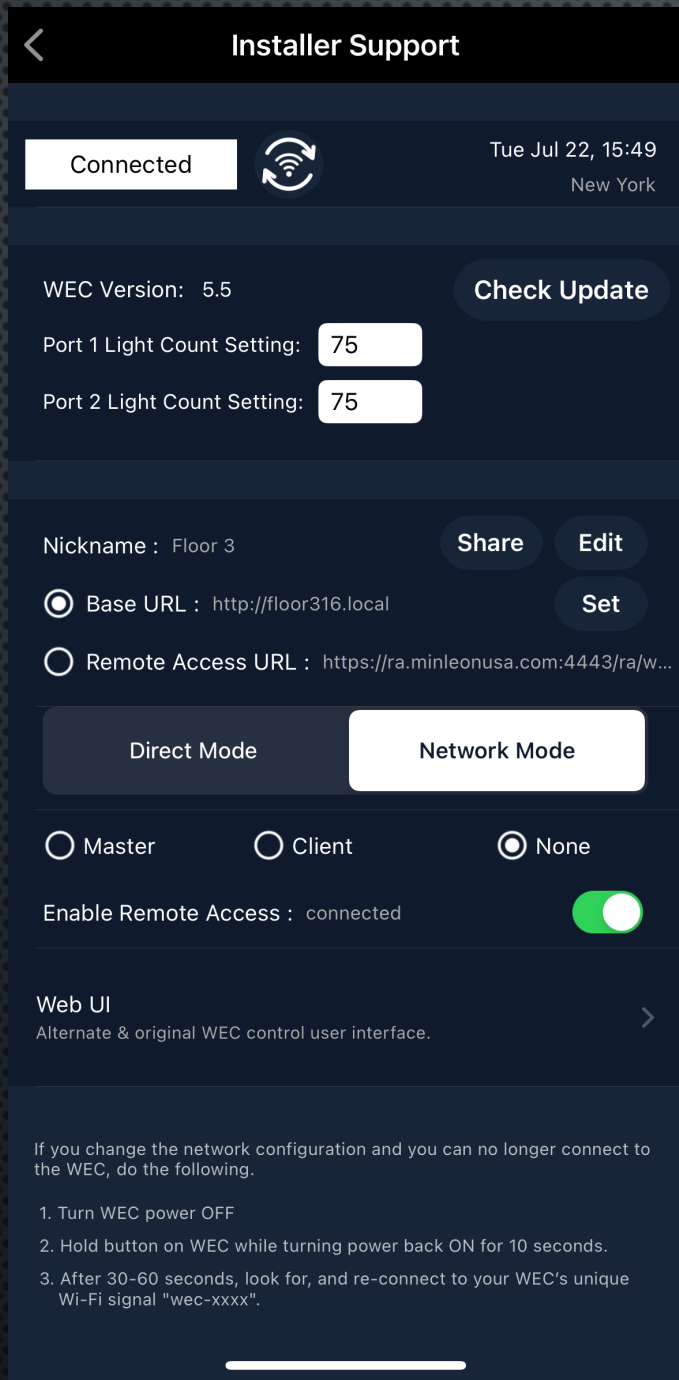
PIXEL DANCER'S SETTINGS IS REACHABLE VIA THE GEARBOX ICON ON THE "COLORS", "PRESETS" & "FAVORITES" PAGES.

SOME SETTINGS WE ALLOW THE END-USER, SITE MAINTENANCE MANAGERS &/OR HOMEOWNERS TO ACCESS—SUCH AS FIRMWARE UPDATING, SHARE BUTTON & REMOTE ACCESS TOGGLER.

OTHER INSTALLER TOOLS WE ONLY WANT TO ALLOW ACCESS TO TRAINED & TRUSTED CUSTOMERS — WHO WILL NOT GENERATE UNNECESSARY SUPPORT CALLS BY CHANGING BACKEND SETTINGS.

THESE INSTALLER TOOLS CAN BE FOUND BY TAPPING "INSTALLER SUPPORT" & ENTERING THE COMMON PASSCODE FOR ALL WEC3's. IT IS UP TO THE INSTALLER WHETHER TO SHARE THIS PASSCODE WITH THEIR CUSTOMERS, SO MINLEON WILL NOT PUBLISH THIS ONLINE. ANY CUSTOMER OR INSTALLER WHO NEEDS THIS CODE SHOULD CONTACT THEIR VENDOR/DEALER FOR ACCESS, OR EMAIL US AT [SUPPORT@MINLEONUSA.COM](mailto:support@minleonusa.com).





V5.0 WEC3 / PIXEL DANCER INSTALLER TOOLS

INSTALLER TOOLS INCLUDE:

1. ABILITY TO CONFIGURE LIGHT COUNTS FOR EACH PORT.
2. ABILITY TO SET WEC3 TO NETWORK MODE, BY CONNECTING A THIRD-PARTY WI-FI ROUTER.
3. ABILITY TO GROUP WEC3'S IN A MASTER-CLIENT SET UP.
4. DIRECT ACCESS TO THE BACKEND WEB UI –WHERE NEW FEATURES ARE DEBUTED FOR MORE TECHNICAL DESIGNERS & INSTALLERS, BEFORE THEY ARE ADDED TO THE MORE SIMPLISTIC **PIXEL DANCER APP**.



V5.0 WEC3 / PIXEL DANCER TROUBLESHOOTING & BEST PRACTICES

Lost the Wi-Fi Connection:

Remember, when you power down or Reboot the controller the Wireless signal disappears. Ensure you are connected to "wec-xxx", or to the name you assigned to the controller. You may need to reconnect to the WEC3 network signal once the controller powers back up, especially if another wireless signal is your primary Internet connection by default.

PRO TIP:

Consider making the WEC network signal your smart phone's primary Wi-Fi connection during installs.

WEC3 does not appear in your Wireless Networks:

Toggle the Wi-Fi off, then back on. If still nothing, try a power cycle or another smart device. Be sure you are in range of the WEC3 or router. If you programmed your Master WEC3 to an external router, log in to that network & be sure you are within its range. If you programmed the WEC3 to be a "Network Client" and not the Master Controller, it's Access Point (AP) will be disabled. This is intentional. To regain individual control of a "Network Client", or any WEC3, **try using a third-party IP scanner on the Network.** If that does not work, hard reset the controller: Disconnect the controller from the powered light string. Then hold the WEC's button for 10 seconds as you re-make the connection to the powered string, (**press->connect to power->hold 10s**). Then release button. This will restore control with the default settings and allow the WEC3's unique Wi-Fi signal/AP to reappear.

No Light Output or Wrong Colors appear:

Typically, this is a result of the controller being in a different "**Chipset Setting**" than the connected light strings.

RGB, RGBW, 4-wire (+2), 3-wire and combinations between them use different **chipset settings**. Check that they match by clicking the App Settings gearbox. Then tap "Web UI". Then "Configuration". Scroll to "Chipset Settings" and be sure they match the lights connected to your WEC.

PRO TIP:

WEC+3's ship from the factory in RGB+2 chip settings & 200 light count. RGB+2 = 4Wire, RGB lights. RGB+ = 3Wire.



V5.0 WEC3 / PIXEL DANCER RESTORING DEFAULTS

IF YOU DO NOT KNOW A WEC'S IP ADDRESS, OR IF IT BECOMES UNRESPONSIVE, IT IS POSSIBLE TO RESET THE WI-FI TO FACTORY DEFAULT SETTINGS.



Re-set button

THE RESET BUTTON IS LOCATED ON FACE OF THE WEC+3.

1. REMOVE WEC FROM POWER.
2. PRESS BUTTON & HOLD.
3. ADD POWER.
4. CONTINUE TO HOLD BUTTON FOR **10-12** SECONDS. THIS WILL **RESET THE WI-FI SETTINGS, AND WE SHOULD SEE THE WEC ACCESS POINT IN OUR SMART DEVICE'S WI-FI SETTINGS.**
5. ONCE WE SEE THE WEC ACCESS POINT, CONNECT WITH YOUR SMART PHONE OR TABLET.



V5.0 WEC3 / PIXEL DANCER QUESTIONS & RESOURCES

PLEASE E-MAIL

SUPPORT@MINLEONUSA.COM

& REFERENCE THIS PRESENTATION.

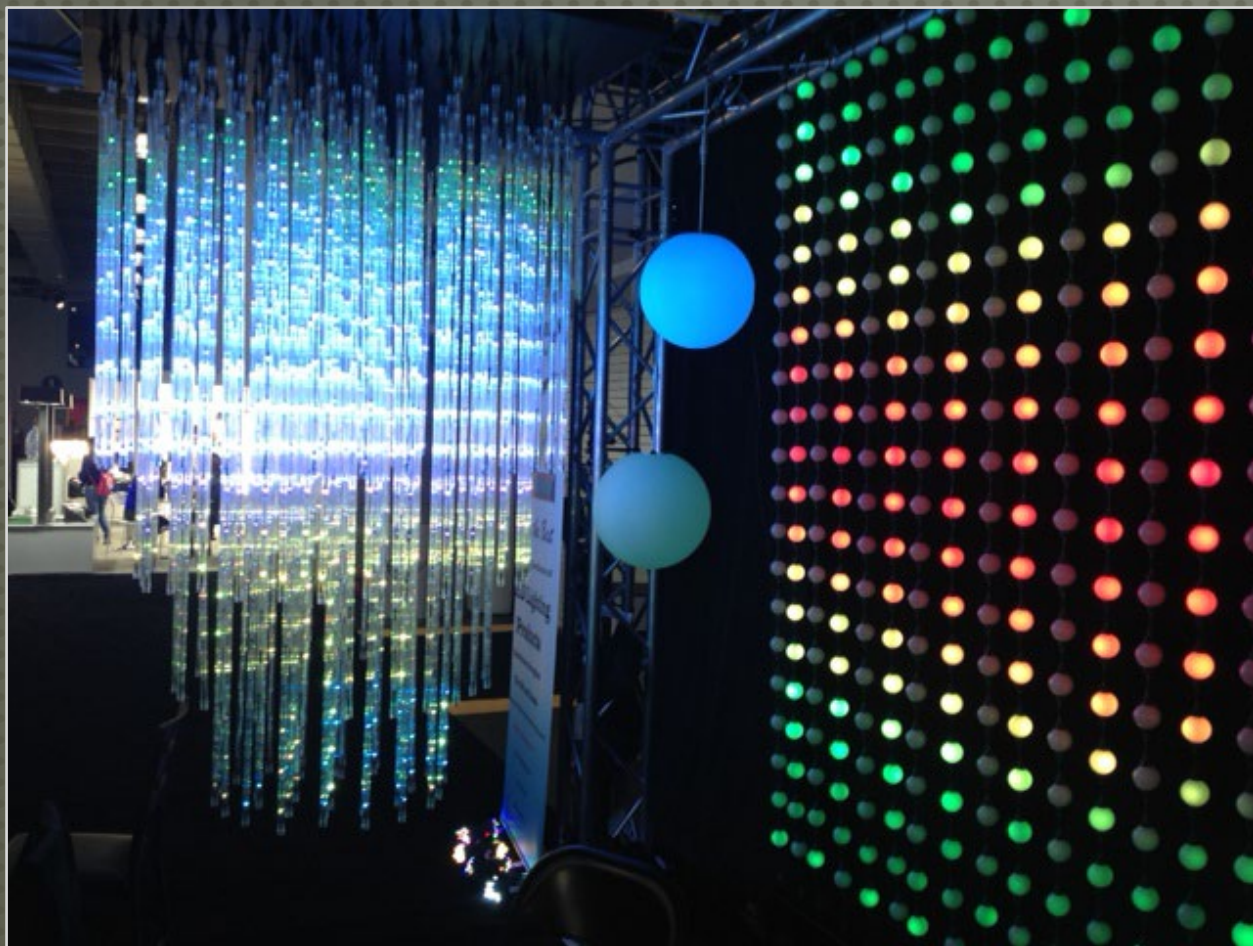
WE ENCOURAGE YOU TO VIEW THESE RELATED
TUTORIALS:

- **WEC+3 BOSS SCHEDULER - USER GUIDE**
- **PIXEL DANCER NETWORKING & GROUPING**
- **HOW TO INSTALL A 200-FT ROOFLINE**

THANK YOU FOR YOUR INTEREST IN
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