

MML AURORA HD2 Programmable Smart Controller

Features

The MMLED Aurora HD2 programmable smart controller is designed for the MMLED Aurora HD2 series aquarium lights and supports app connectivity via Wifi or Bluetooth.

Packed with features and with a clever and easy to use phone app that allows full control of your lights at home or away from home.

The phone app features manual control using the colour wheel and programmable automatic control via scheduled timers and with Google Assistant and Alexa integration for advanced automation and voice control.



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Setup



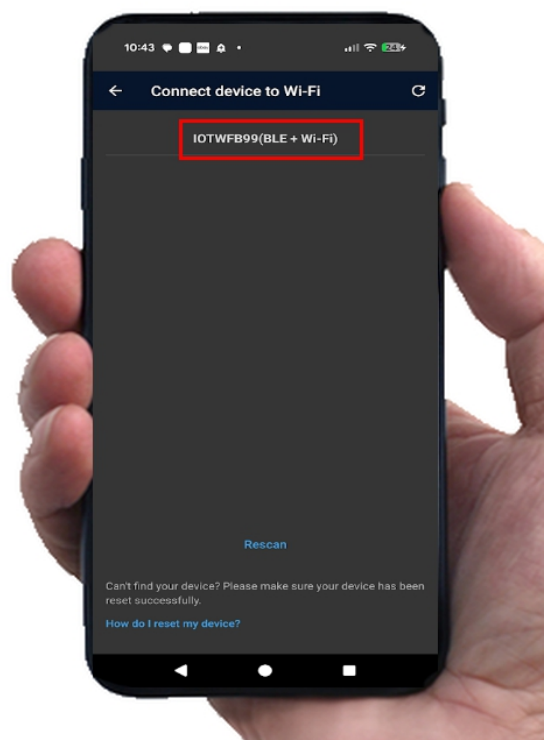
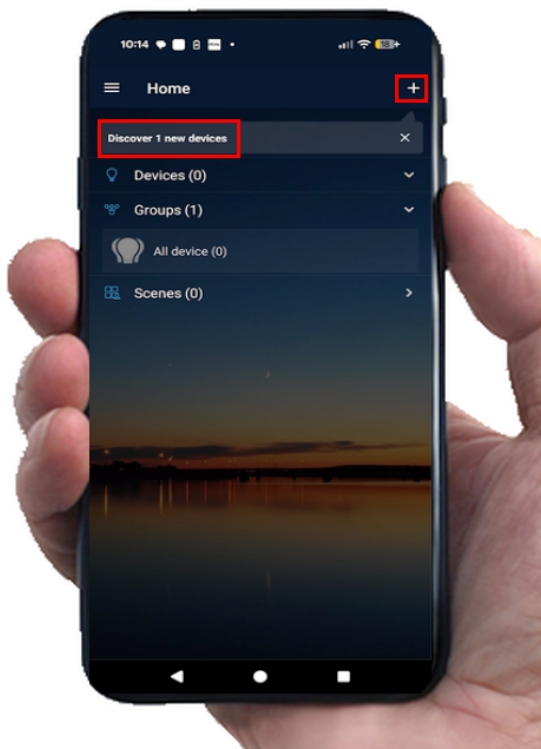
Download the free **Magic Home Pro** app for Android or iOS and apply power to your light system. There are two ways to connect the app to the controller:-

1. Local WiFi or Bluetooth control. We recommend Bluetooth for simplicity.
2. WiFi Cloud and/or Google Home/Alexa control from anywhere

Method 1 – Local Wifi or Bluetooth control

If you don't need to control your light while away from home and won't be using Google Home or Alexa integration then use this method to connect, you can change your mind and easily switch to method 2 later.

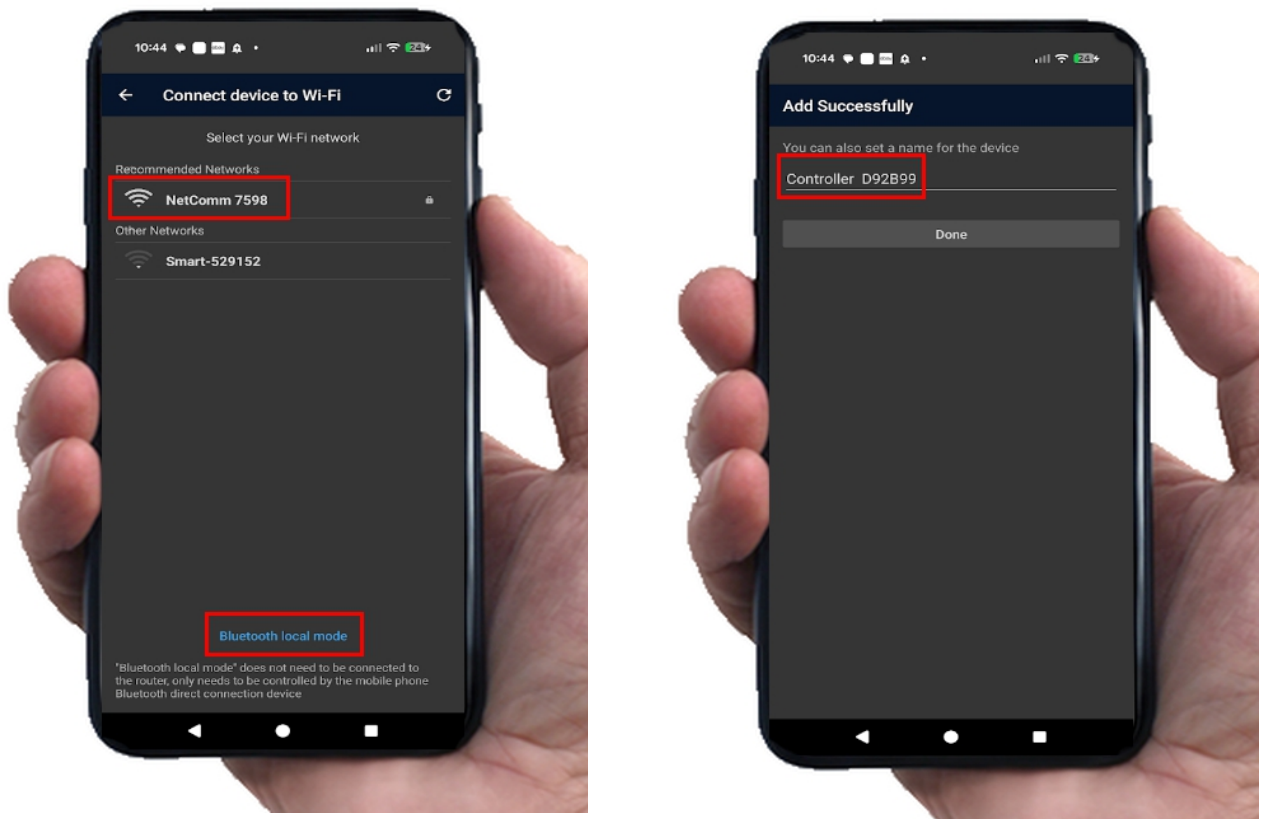
In the magic Home Pro app, click either the “Discover 1 new device” link or the + button in the top right as shown in the left picture. (They both do the same thing). Then click the device name as shown in the right picture.



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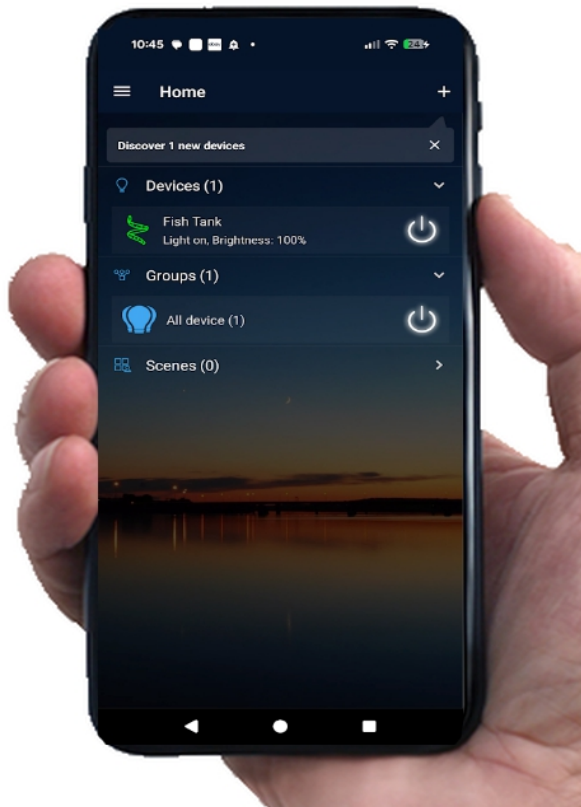
Then click either your Wifi name near the top for Wifi connectivity, or “Bluetooth Local Mode” down the bottom for bluetooth connectivity as shown on the left picture. **Note:** We recommend using Bluetooth to avoid the idiosyncrasies of WiFi, also note that Wifi connectivity will only work on the 2.4ghz Wifi band.

Then you'll get the Add Successfully message and will have the opportunity to change the name of the device e.g. Fish Tank. You can do this device name change later too.



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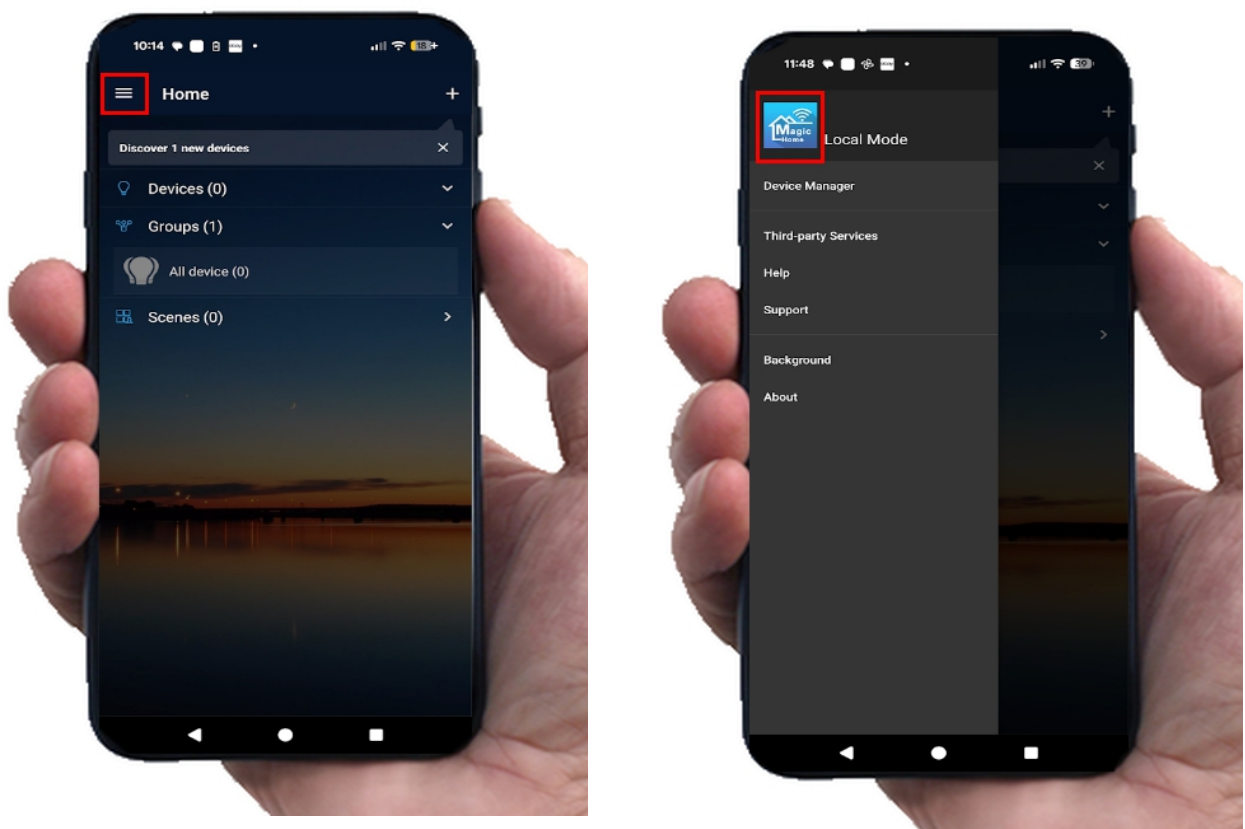
After changing the name of your device you'll be presented with the device control screen in the app as shown in the picture below. If you have other MMLED Aurora HD2 lights or other MMLED Fixed spectrum lights with a smart controller you can add these into the app and control them all from one handy place.



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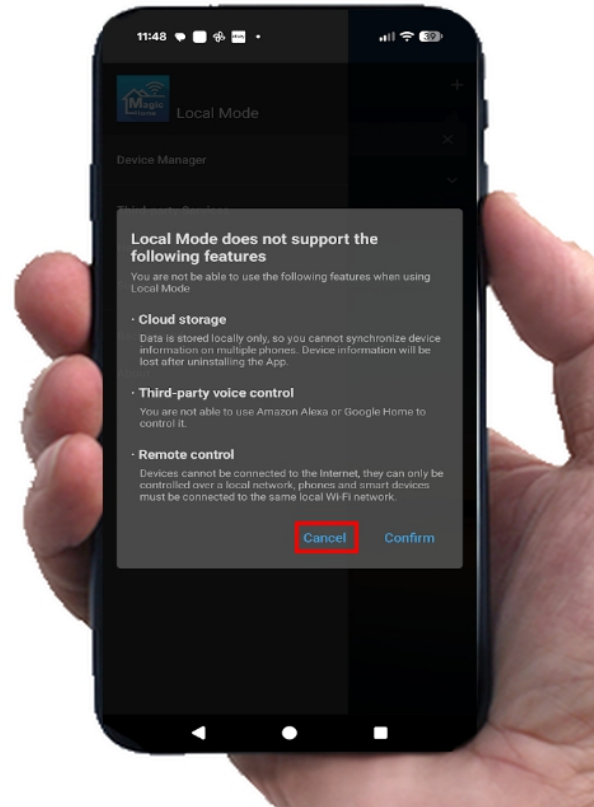
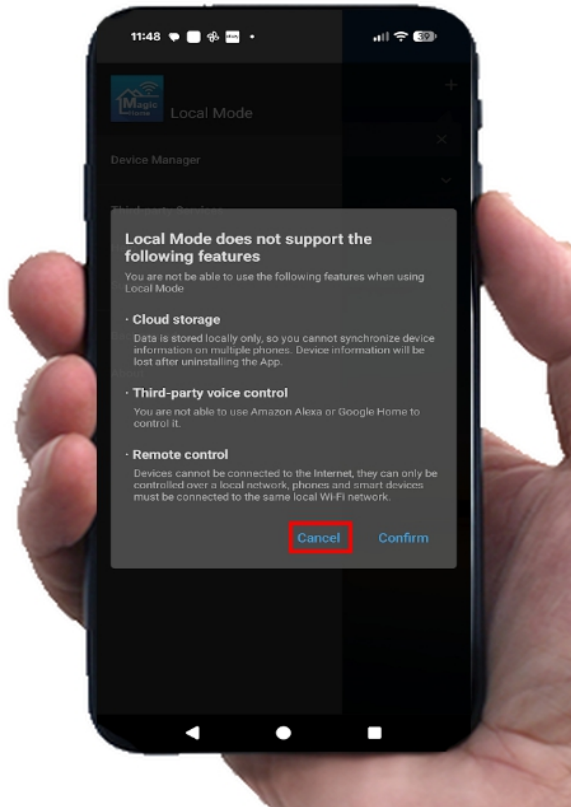
Method 2 – Remote WiFi Control

If you want to control your light remotely and/or want to use advanced automation and voice control using Google Home or Alexa, you'll need to create a free Magic Home cloud account. Click the 3 bars on the top left of the screen as shown in the left picture. Then click the Magic Home logo as shown in the right picture.



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Then click the Cancel button as shown in the left picture. Then click the Sign In button as shown in the right picture.

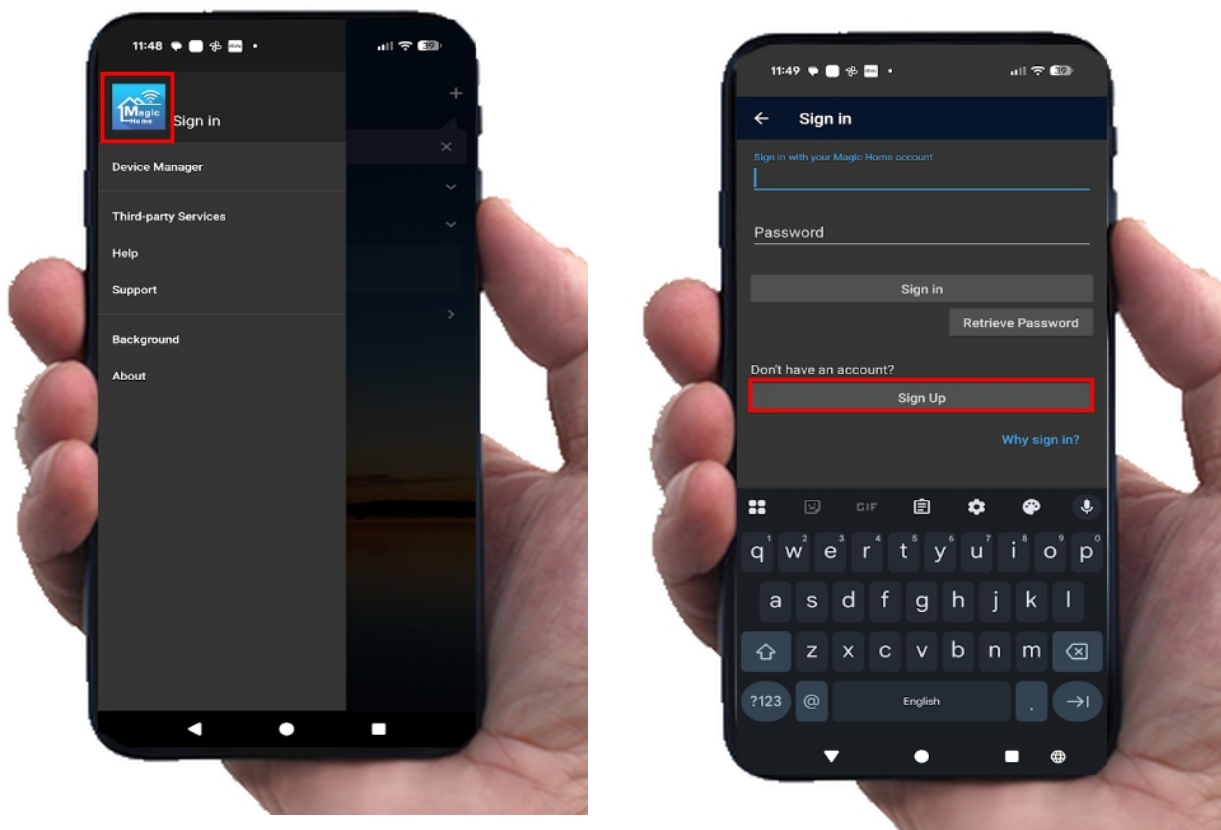


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Then you'll see the Sign In button as shown on the picture on the left. Click it to go to the sign in/registration screen as shown in the picture on the right and click the Sign Up button.

Then put your email address in the "Create an Account" box, add a password and password confirmation and click Sign Up to complete your account registration.

Then you can go through the add device process as outlined in Method 1 and you'll be able to control your lights locally or remotely using the internet.



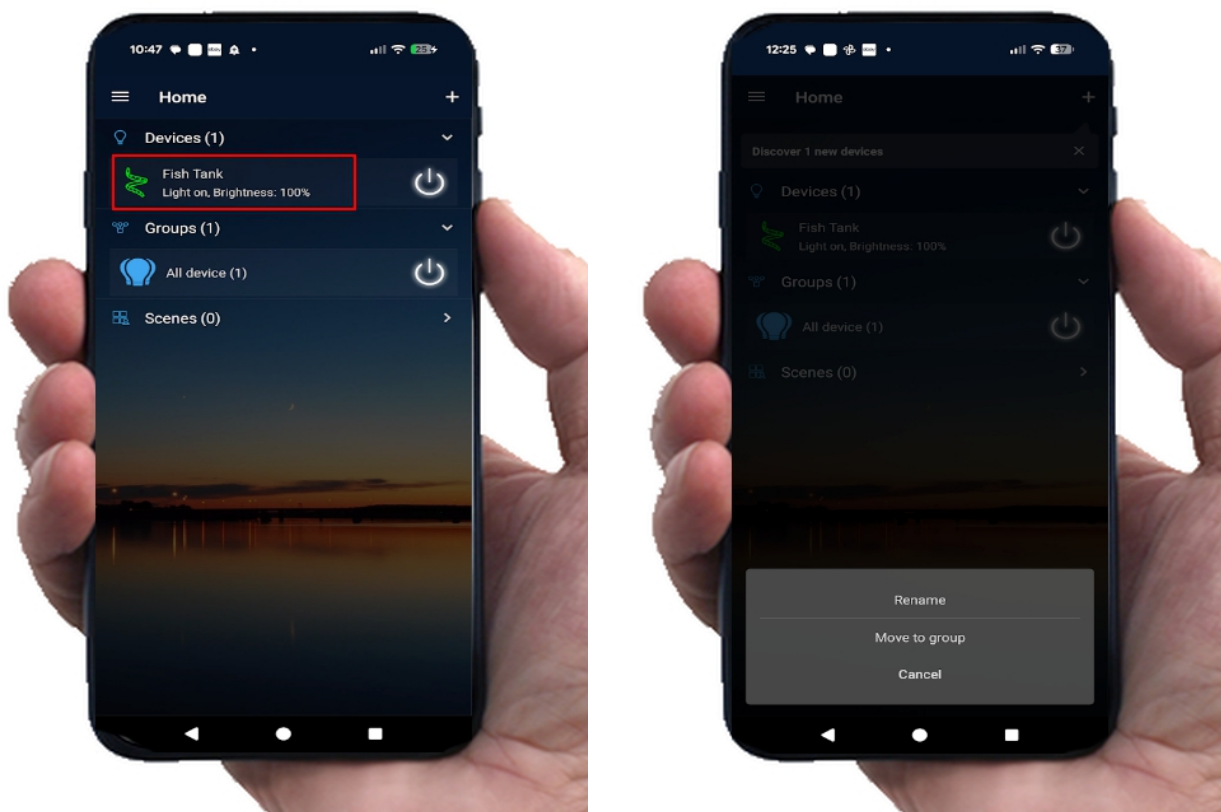
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Controlling your light using the Magic Home Pro App

Firstly, you can rename or move the device to a group by long pressing the device on the home screen as shown in the pictures below.

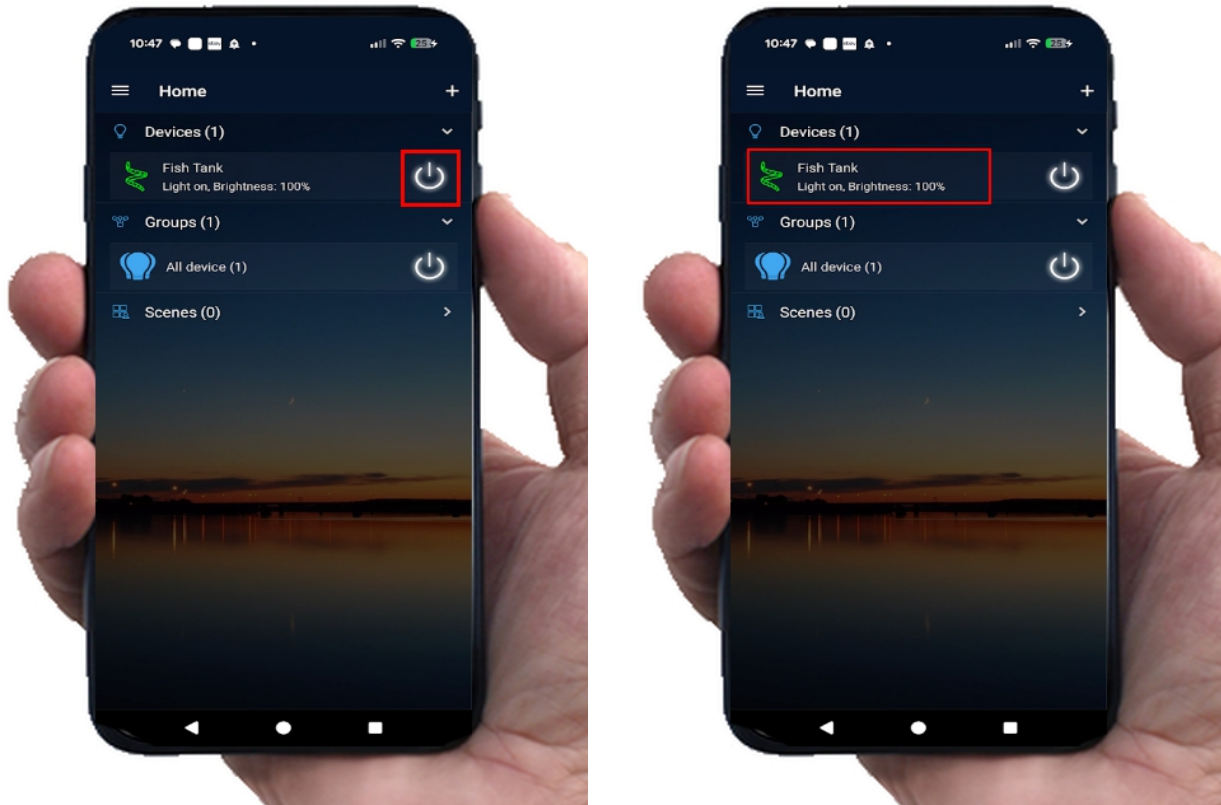
The app automatically creates an “All Devices” group for you and will add all devices to it so that you can control them separately together as one via the All Devices group.

If you want to control some devices together but not others you can create your own groups and add devices to them.



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The home screen has a quick on/off button for each device or group as shown on the left picture, and you can go to the control screen for each device or group by lightly pressing the device or group name as shown in the picture on the right.



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On the control screen you can manually switch On/Off using the button top right, manually control the colour using the colour wheel or by pressing the RGB section and keying in RGB settings, manually select a preset colour and brightness from one of the 5 presets down the bottom or manually change the brightness using the slider control down the bottom.

To re-program the presets down the bottom, set the colour using the colour wheel or RGB settings and select a brightness and then long press one of the presets to save your colour and brightness choice. You can later select that setting by lightly pressing that preset.

There are various other functions in the app but not suitable for use on fish tanks.



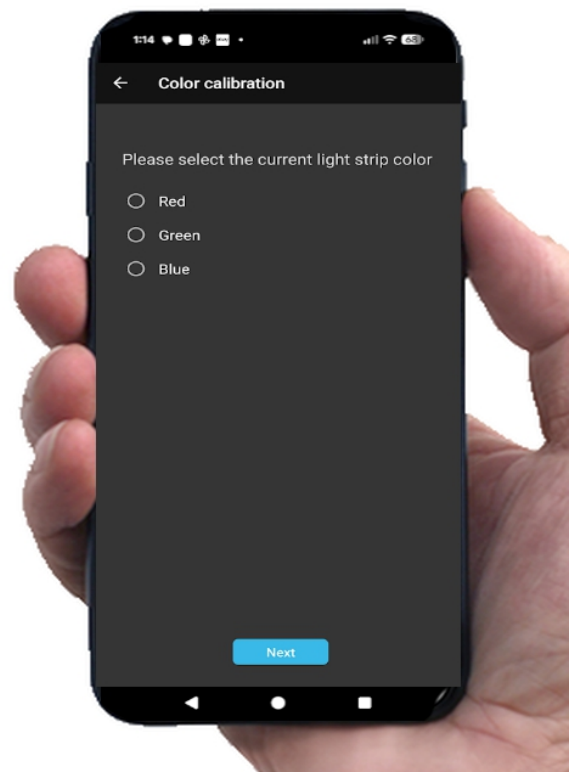
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Calibrating the colours

For first time use you will need to calibrate the colours in the app. To do this click the settings cog near the top right to show the calibration screen.

On the calibration screen select the colour your light is currently showing, e.g. if your light is shining the green colour then select the Green check box and click next down the bottom.

Your light will then change to a different colour, choose the corresponding checkbox and then press Done to complete the calibration.

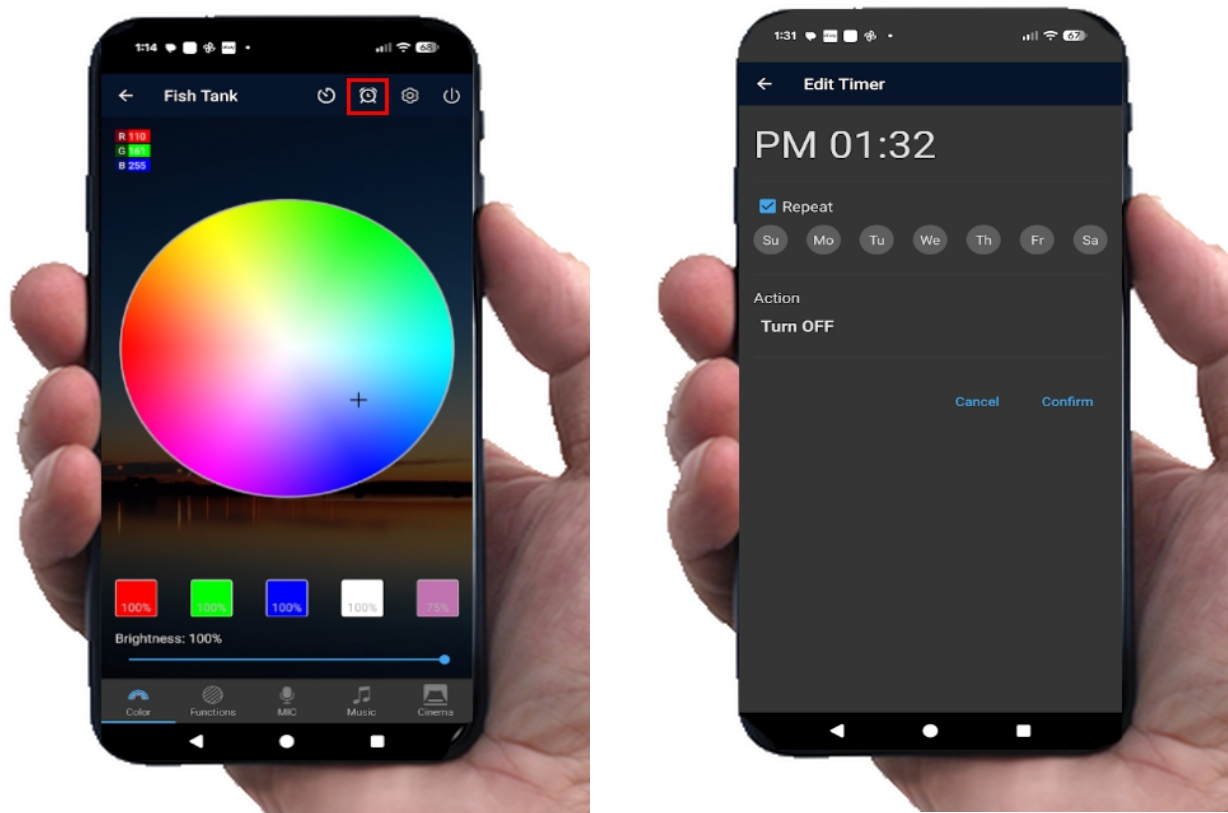


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Programming your light using the Magic Home Pro App

Click the alarm clock icon to create timers for automatic colour and brightness settings at specific times of day. You can create up to 6 of these for a 24 hour period.

On the timer screen you'll see the time up the top, press it to set the time you want the timer to activate. Below that there is a repeat function allowing you to set which days of the week the timer should activate.



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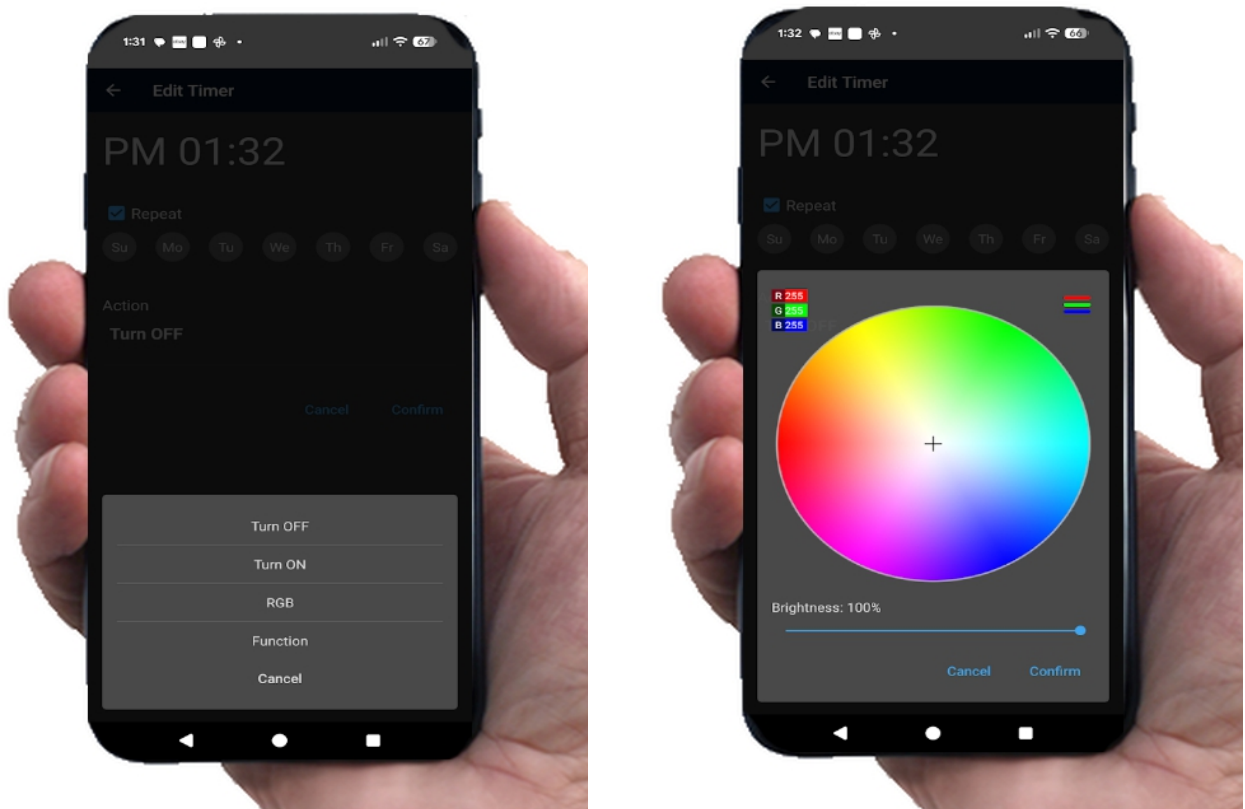
Below the repeat function there is an action function to specify what you want done, press it and you get the screen shown in the left picture.

The action can be to Turn On, Turn Off or RGB to set the colour and brightness.

RGB is the most useful one because it's a dual purpose timer to both turn on and at a specific colour and brightness. Turn Off would be used to switch off at night.

Press RGB to get the RGB timer settings as shown in the picture on the right.

You can select the colour via the colour wheel or the RGB settings icon top right and you can select the brightness you want. After confirming you'll go back to the timer screen to further confirm.



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Troubleshooting

If you're using WiFi to control your light there's a few things to note. Here is a great article on WiFi connectivity issues that can trip you up.

<https://numberonelights.com/blog/magic-home-pro-not-working>

If for some reason you want or need to factory reset the controller you can reset by doing the power **“on-off-on-off-on-off-on”** reset procedure as shown in the picture. If reset is successful, your light will strobe on and off repeatedly. After reset you can add the device back into the app and set things up again.

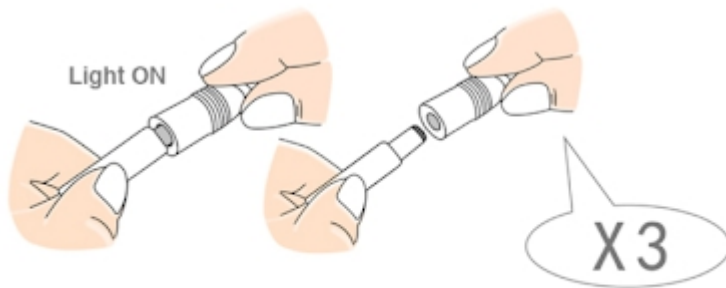
NOTE: The spot to unplug for the **“on-off-on-off-on-off-on”** sequence is between the power supply plug and the controller. The sequence normally only needs 3 x On/Off but may need to be up to 5 on//off depending on how fast or slow you're doing it. Keep going until your lights strobe.

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Start resetting: Power on and off the controller
three times

(on-off-on-off-on-off-on)

(2 seconds between each turn on and off.)

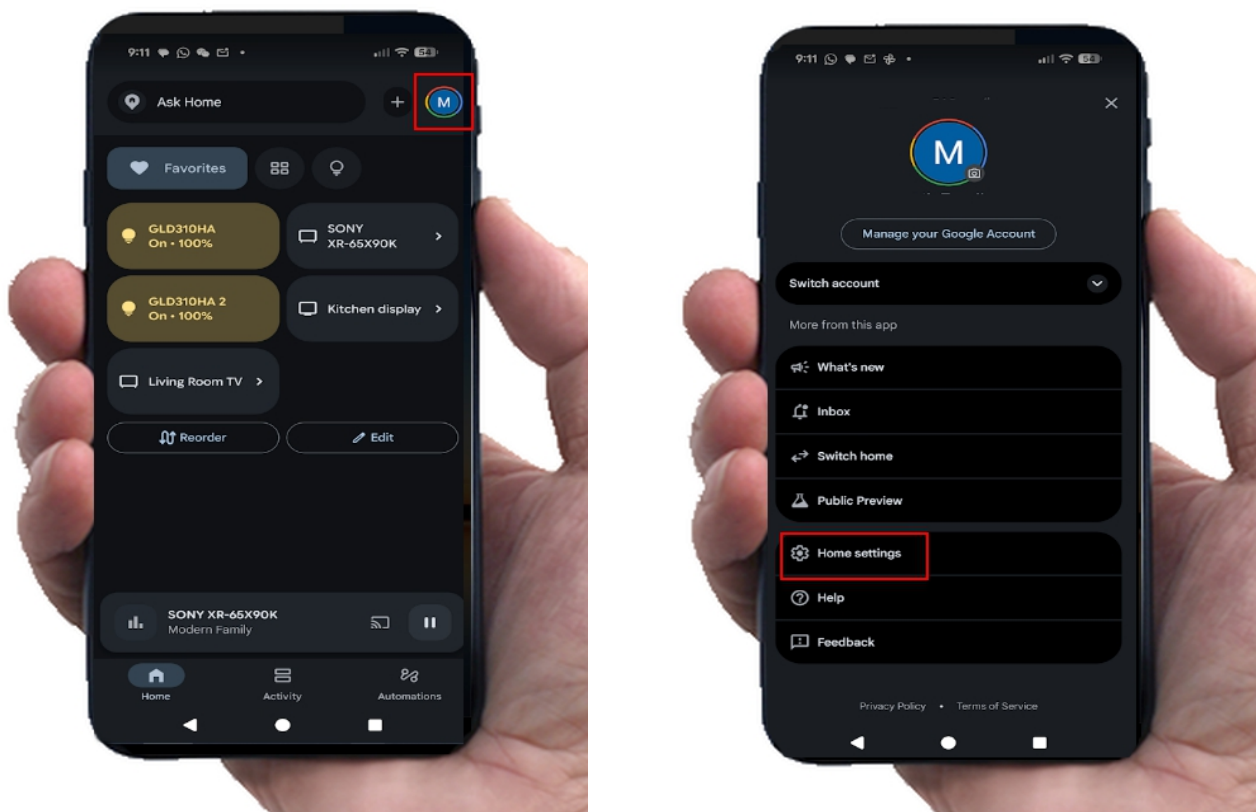


MML AURORA HD2 Programmable Smart Controller

Google Home Integration

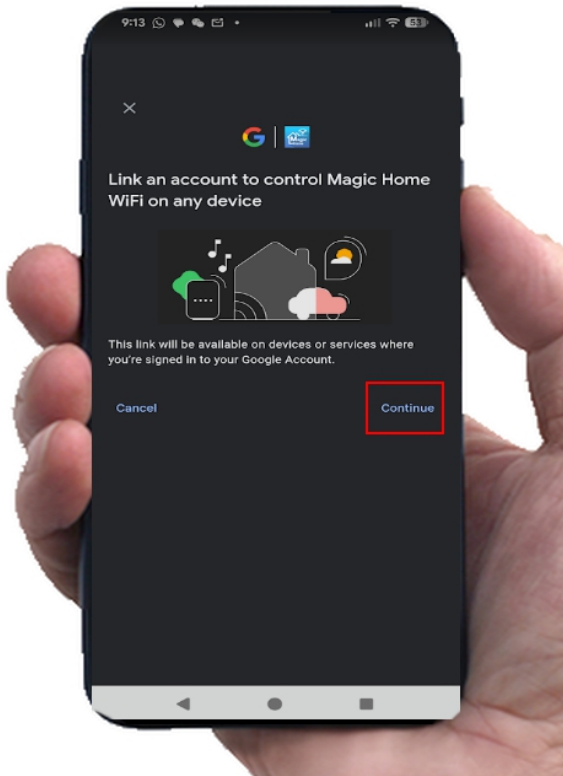
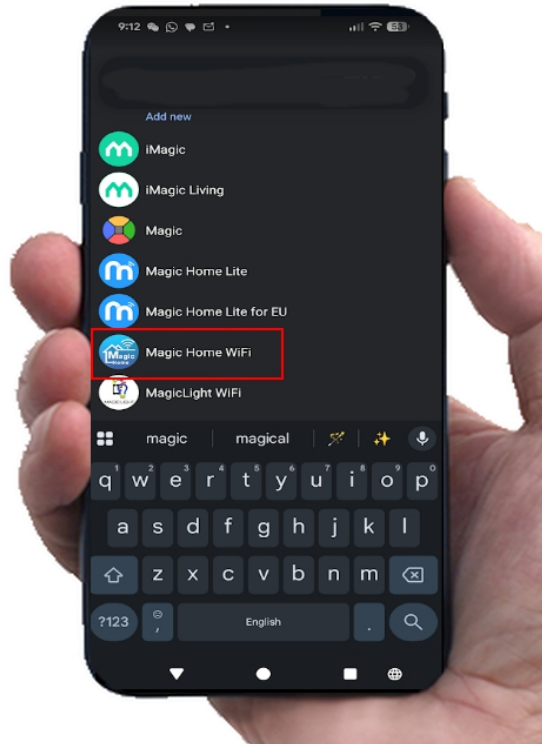
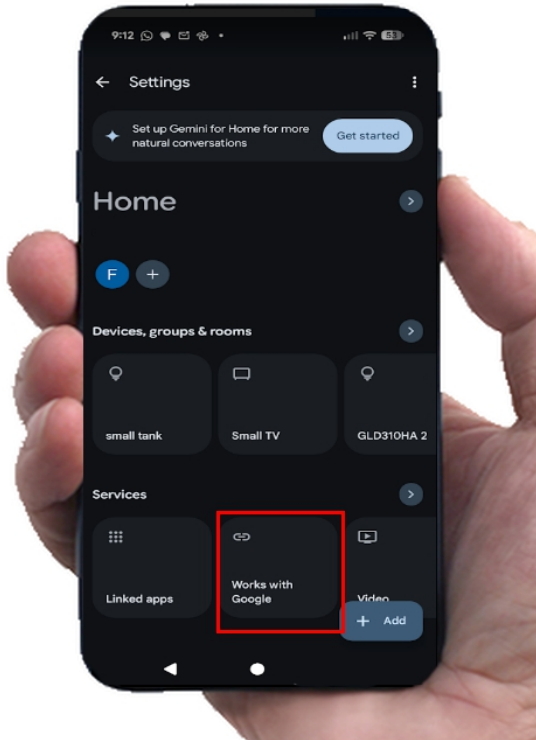
Google Home offers voice control and advanced automation features. In the Google Home app click your profile icon top right, then Home Settings.

NOTE: This is a guide only, we are lighting experts, not Google Home experts so if you are having problems getting Google Home integration to work or have questions about Google Home, please seek help from Google.



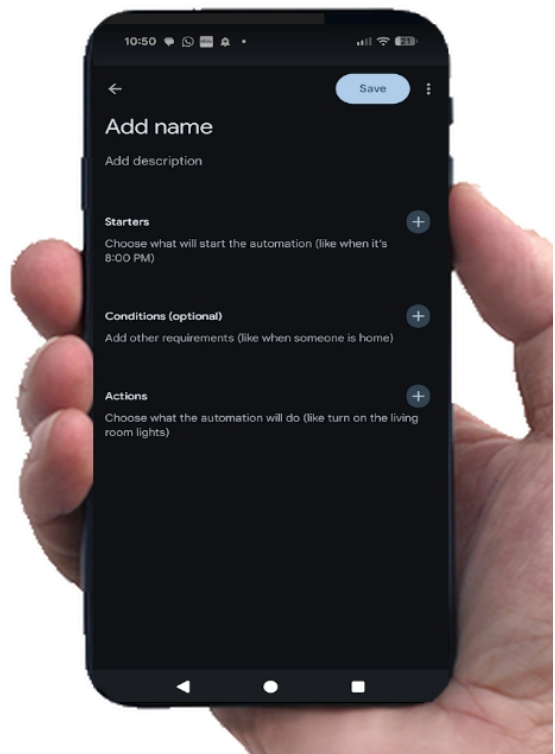
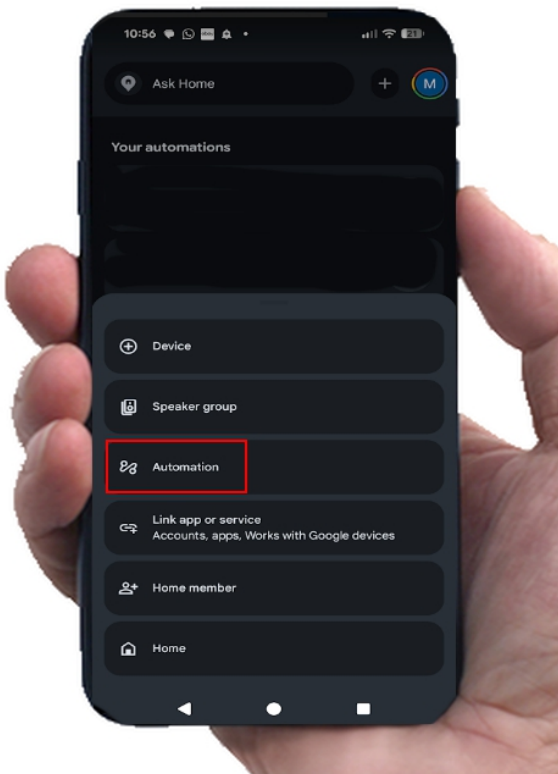
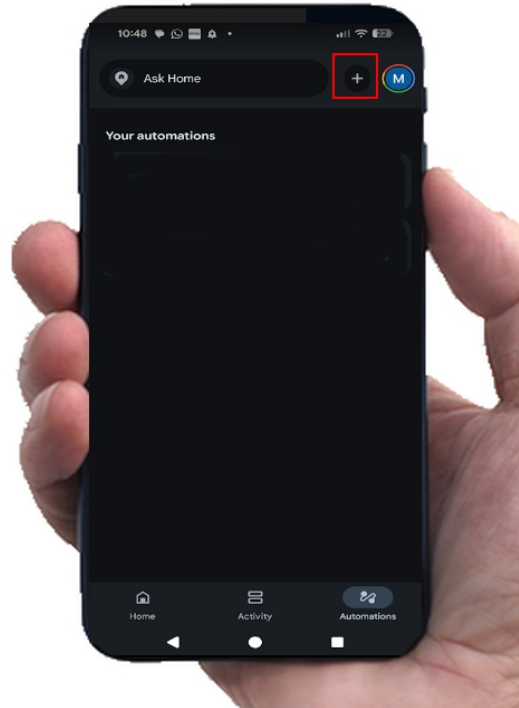
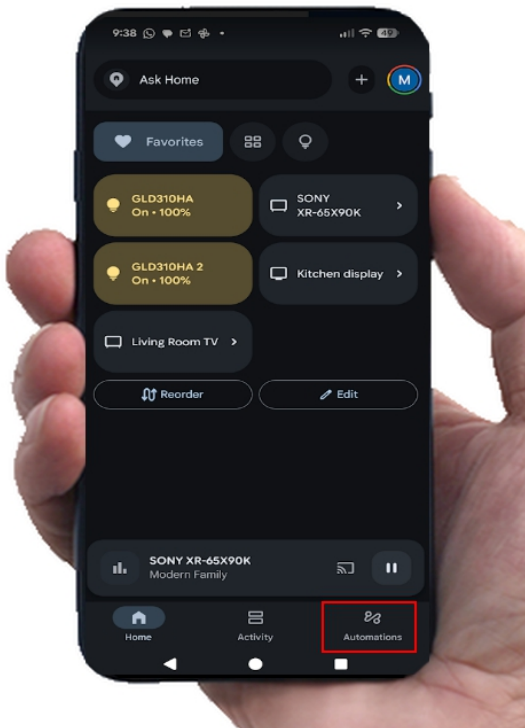
MML AURORA HD2 Programmable Smart Controller

Then click Works with Google, then find Magic Home Wifi in the list and select it, then continue, then agree to the terms and conditions, then log into your magic home account and select the device you want to control.



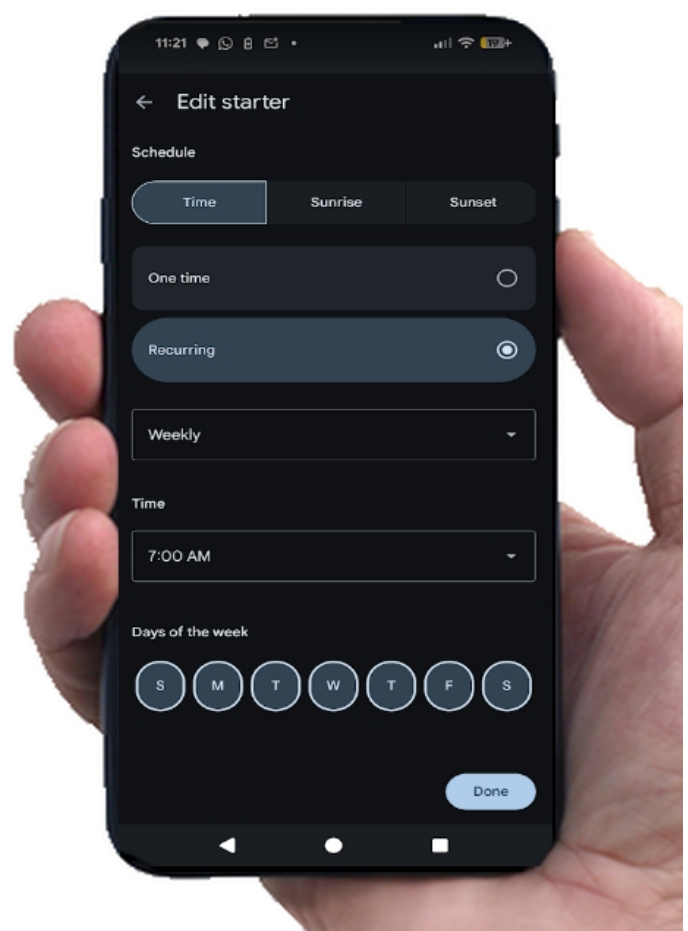
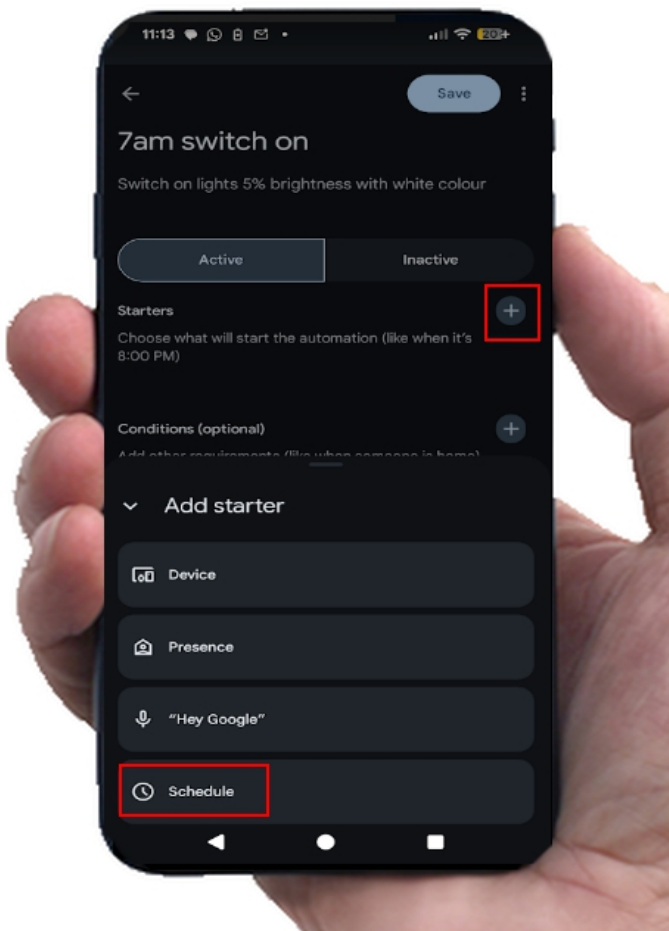
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Then choose a room for the device e.g. Living Room, then click Automations bottom right, then click the + top right to add a new automation, select Automation, you'll be presented with an automation creation screen.



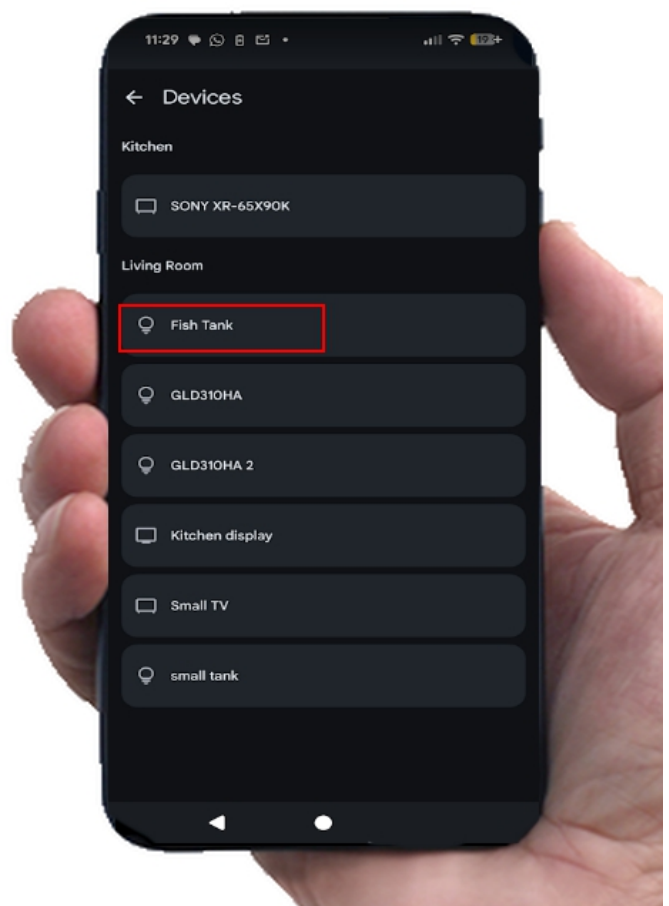
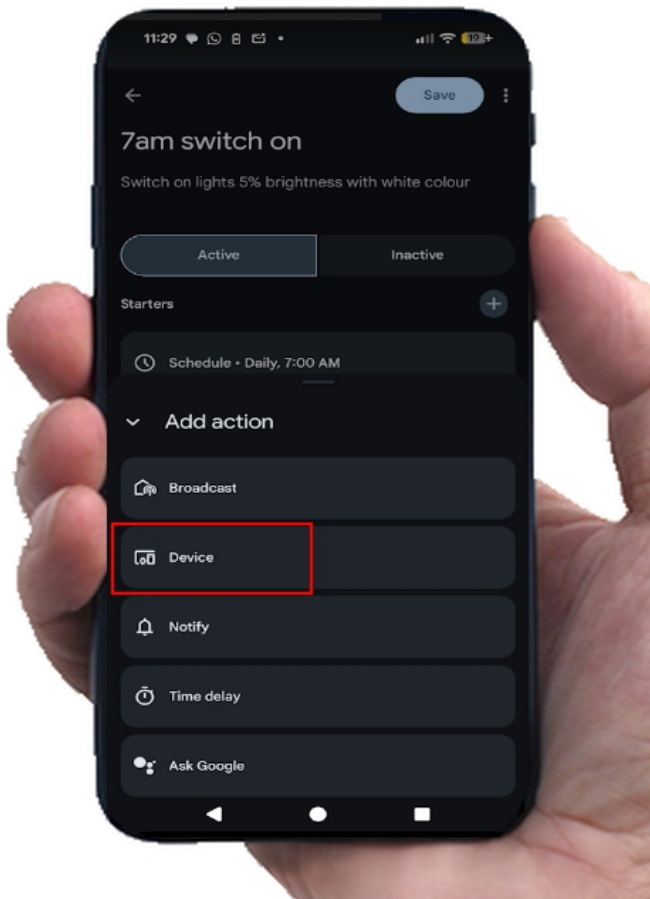
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Name your automation e.g. 7am switch on, and add an optional description e.g. Switch lights on at 5% brightness with white colour. Then add a starter by clicking the + in the Starters section, then select schedule down the bottom. Choose recurring if you want this to happen every day and select a time for this to happen e.g. 7am, click done to save it.



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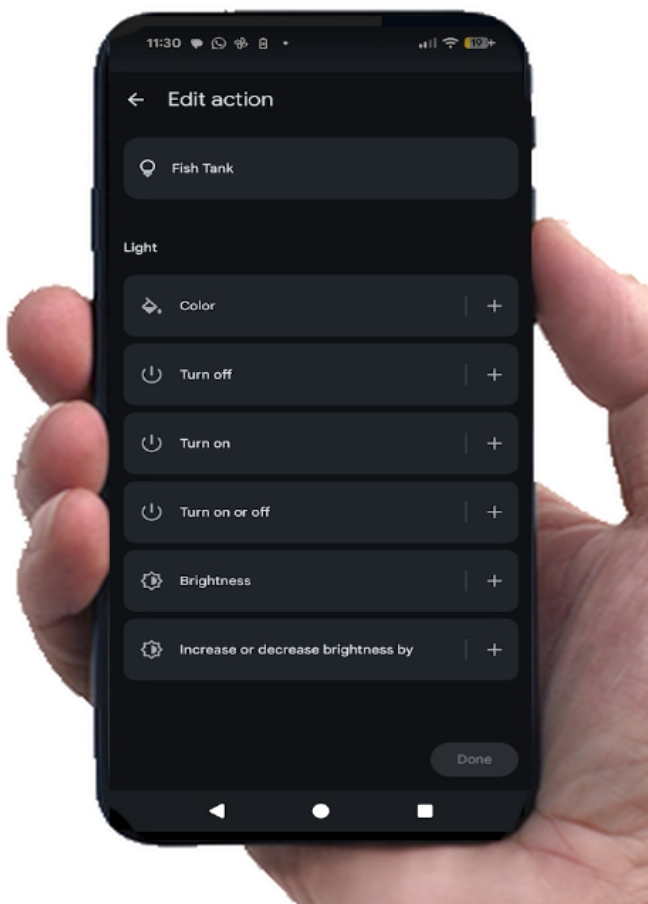
Then add an action by clicking the + in the Actions section, then select Device and pick the device to want to add this automation to, what every called the device when you added it to the Magic Home app e.g. Fish Tank.



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On the Edit Action screen you have several choices, create one action for the colour you want and another action for the brightness you want. There are several other action options in there too, play around and have fun!

You can use Google home to create full sunrise sunset dimming regime by creating several automation routines for selected times of the day with each one having a different brightness setting.



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Alexa Home Integration

Information on how to do this is coming soon but the concept is similar to the Google Home method.