

HOUSE & LIGHTS

A 3D model of your house, lights and temperatures — setup guide

The House window is a 3D model of your home in which Darwin sees rooms, controls lights and reads temperatures. Say “turn off the study” or “where is it warmest” — and Darwin does it or answers, even from your phone. Lights are controlled LOCALLY over your network; the cloud is used only once, to fetch the device keys.

Step 1 — a model of your house (GLB)

Darwin ships with no house — the model is yours. On first opening the House window (the House button on the dashboard, or “open the house” by voice) you'll see an empty scene with a prompt: drag your own .glb file into it and the model is stored and activated right away. You can make one in Blender, export it from a CAD tool, or draw a floor plan.

One rule so Darwin knows the rooms: each room is a separate object in the GLB named <file name>-<room>:

```
file:    myhouse.glb
objects: myhouse-kitchen myhouse-living  myhouse-study
(anything without the dash = house geometry, not a room)
```

Names and sensor/light links are stored PER HOUSE — you can keep several models and switch between them without losing settings.

Step 2 — lights (Tuya / Smart Life, one-time)

So Darwin can control the lights locally, it needs to fetch their keys once — and those are only available from a Tuya IoT account:

- > create a project at iot.tuya.com (free),
- > in the project: Devices → Link App Account → scan the QR code with the Smart Life app,
- > from Cloud → project → Overview copy the Access ID and Access Secret into Darwin: Settings → House — lights via Tuya,
- > pick the data centre (Central Europe = eu) and click “Load devices”.

From then on Darwin never talks to the cloud — everything runs on your LAN. When you add a new light in Smart Life, just click “Load devices” again. TP-Link Kasa plugs and bulbs need no account —

they are discovered on the network automatically.

■ Step 3 — link lights and sensors to rooms

In the House window, link each light to a room (and optionally to the model object that should glow). From then on room-level commands work: “light up the living room”, “dim the study to 30%”, “turn off the whole house”. Temperature sensors are optional — if you have them, readings show right in the model and Darwin can tell you where it's warmest.

Safety: protected devices

A device marked PROTECTED (e.g. the boiler plug) is never switched off by a bulk command — “turn everything off” skips it and says so. It can only be switched off explicitly by name, with confirmation. You mark it on the device in the House window.

■ What you can say afterwards

"open the house"	"show the pool"
"light up the study"	"dim the living room to 20%"
"turn off the whole house"	"how warm is the kids' room"
"where is it warmest"	"show temperatures in the model"

Light and temperature commands work from your phone too — without popping the House window open on the PC.

Darwin — the local AI assistant for Windows · darwinaiassistant.com