Innofique® DESIGN

Assembly Manual Acero 55 Smart Fan DIY
Version 2.0

Congratulations on your purchase!
This manual contains everything you need to install and start using this product.

🛠️ 15 – 25 minutes

Read and keep these instructions carefully.

EU-certified: **CE-EMC | CE-LVD | ROHS**

Important (Safety) Instructions

1. Read all instructions and information before installing and using the Acero 55 Smart Fan.
2. Follow the prescribed sequence of work.
3. Always ensure a safe working environment and use a stable household ladder when working at height.
4. Make sure the power is turned off before starting the installation.
5. Do not use the fan module without or separate from the fixture. Use the product only as a complete unit.
6. Preferably use a standard on/off switch to control the power point to which the fan module is connected. Connecting it to a wall dimmer may cause problems. Using a wall dimmer is also unnecessary, as the fan and light source can be controlled/dimmed via the remote control and/or app.
7. Ensure that all electrical connections comply with local codes, regulations, or the National Electrical Code. Hire a qualified electrician or consult a reliable source, such as a manual, if you are unfamiliar with installing electrical devices/wiring.
8. Connect the Smart Fan to a ceiling power point that is securely anchored in the building structure.
9. When attaching the fan to the ceiling power point, ensure it is strong enough to support the moving weight of the fan (2–6 kg).
10. After installation, check that all connections are secure. This prevents the fan from falling.
11. Do not place any objects between the fan blades while the fan is running.
12. Do not install the fan directly on a sloped ceiling to avoid risk of electric shock or physical injury.
13. Do not connect the fan to a dimmer/speed controller. The fan speed can be adjusted with the remote control.
14. Ensure a solid mounting of the Acero 55 Smart Fan to the ceiling. Select installation materials appropriate for your specific situation and seek advice from a specialist to prevent risk of injury.

Package Contents

Remove all parts from the box and check for completeness using the list below. Lay out the parts separately to prevent damage or loss. Only begin assembling the Acero 55 Smart Fan after this. **Note: remove the bars from the packaging by their rounded end.**

Package includes:
1. 1x Ceiling cap including socket, ceiling cap bracket, 2x screws, 2x wall plugs, 2x M4 bolts
2. 1x Upper ring (small hole)
3. 24x Bar
4. 1x Lower ring (large hole)
5. 1x Fan module with E14 socket
6. 6x Fan blade
7. Bag* containing:
   7.1 1x Torx wrench
   7.2 7x Torx screws black / stainless steel
   7.3 2x green plug + crosshead screw for remote control holder
   7.4 2x rubber ring
8. Remote control with holder
9. 2x AAA batteries for remote control

*Note: The included bag contains more fasteners than you may need. The items required depend on your specific situation. Additional materials may be necessary. Always seek reliable advice or contact us if unsure.

Assembly of the fixture

Step 1: Prepare the following parts:
- 2.   1x Upper ring (small hole)
- 3.   24x Bar
- 4.   1x Lower ring (larger hole)

Step 2: Take the two rings. The ring with the small hole is the upper ring, and the ring with the large hole is the lower ring. Place the upper ring with the rounded markings facing up **(this is important!)**. Then place the lower ring so that the notches of both rings face the same direction.

Step 3: Take the bars and place them with the Innofique Design logo facing up. Insert the bars by clicking them as far as possible into the upper and lower rings. Once the first bar is secured, place the next bar in the notch directly next to the first one in both the upper and lower rings, and continue in the same manner. <u>Do not insert the last five bars yet; these will be installed later during the fan module assembly.</u>

Note: The logo on the sticks must be upright/readable. If it is not, the sticks are upside down—correct this if necessary.

Carefully set the fixture aside and continue with the assembly of the fan module.

Assembly of the Fan Module

Step 1: Prepare the following parts:
- 5.   1x Fan module with E14 socket
- 6.   6x Fan blades
- 7.1. 1x Torx wrench
- 7.2. 7x Torx screws black / stainless steel

Step 2: Place the fan module on a soft surface (such as a cloth) to prevent damage.

Step 3: Insert the fan blades one by one into the slots of the fan motor (there is only one correct orientation; with the Innofique logo facing down). Use the supplied Torx screws and Torx wrench to tighten the blades by hand.

Step 4: Check that the fan module rotates smoothly and quietly.

Carefully set the fan module aside and continue with the assembly of the ceiling cap.

Assembly of the Ceiling Cap

Step 1:   Prepare the following parts:
- 1.   1x Ceiling cap including socket, ceiling cap bracket, 2x screws, 2x wall plugs, 2x M4 bolts

Step 2:   Turn off the power at the circuit breaker and use a voltage tester to ensure you have switched off the correct circuit.

Step 3   If necessary: remove the old lamp. Unscrew the screws and remove the fixture. Loosen the terminal block to remove the current lamp. Leave the ceiling wires and the terminal block in place if you plan to reuse them.

Step 4:   Take the ceiling cap and (important!) check that the locking nut (M10) at the top of the ceiling cap is tightly secured. Tighten further if necessary.

Step 5:   Attach the ceiling cap bracket. See if the existing holes can be reused; usually, they can. If not, drill new holes. In that case, remove the ceiling cap bracket from the cover, mark the holes on the ceiling, drill the holes (using a 5 mm drill bit), insert the supplied wall plugs, and then screw the ceiling cap bracket in place with the supplied screws.
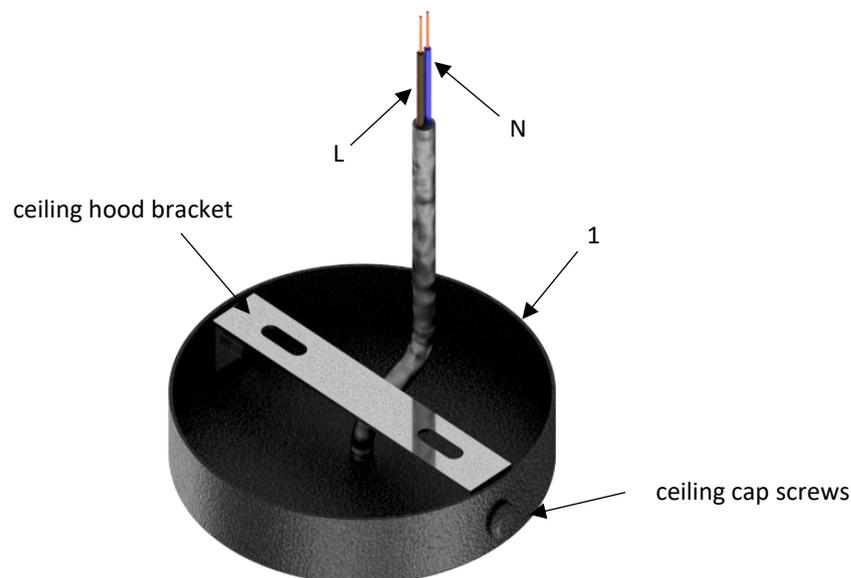
Note: If installing the lamp in a different location than the original, consider how the cable will run from the original position to the new one. Ensure the cable can fit under the ceiling cap. If this is not possible with the existing setup, you can order a special ceiling cap from Innofique or make a notch in the supplied ceiling cap yourself.

Step 6:   Keep the ceiling cap screws handy for Step 8 (remove them from the ceiling cap).

Step 7:   Connect the wires. Hold the ceiling cap near the power point or ask for assistance. There will be two wires from the ceiling: blue (N) and brown or black (L). Connect these wires to the wires from the lamp using the terminal block: blue (N) to blue, brown or black (L) to brown, as shown in the diagram.

Step 8:   Attach the ceiling cap. Immediately after Step 7, slide the ceiling cap over the ceiling cap bracket. Press the cover firmly against the ceiling and secure it with the ceiling cap screws.
Note: If installing the lamp in a different location than the original, it is recommended to cover the original location (often a junction box) with a cover plate and, if necessary, use a cable duct for the wire.

Assembly of the Complete Acero 55 Smart Fan

Step 1: Prepare the already assembled fixture and fan module. Also, have the following parts ready:
- 7.4. 2x rubber rings
- An E14 light bulb purchased separately

Step 2: Unscrew the lower (plastic) socket ring from the already mounted ceiling cap. Place one of the two rubber rings against the upper socket ring. Slide the fixture over the socket through the hole in the upper ring (the rubber ring is now in between). Slide the second rubber ring over the socket and reattach the lower socket ring. Tighten firmly. (The rubber rings prevent the fixture from rotating relative to the ceiling cap.)

Step 3: Check that the fixture is now securely mounted to the ceiling. If it is not, remove the lower rubber ring and check if the fixture hangs more firmly.

Step 4: Take the already assembled fan module. Hold the socket above the fixture with one hand and place the fan module into the socket with your other hand, tightening it securely.

Step 5: Insert the E14 light bulb into the socket and then carefully insert the last 5 bars into the fixture.
Note: Screw the light bulb in until you feel some resistance. This is sufficient for the bulb to work. It is normal if the bulb protrudes slightly (see illustration).

Step 6: Turn the power back on at the circuit breaker.

Step 7: Use the wall switch to turn on the power supply. The light should now turn on.

Step 8: **IMPORTANT!** Pair the remote control with the fan module! See page 7.

WARNING
It is very important that the locking nut (M10), which secures the socket at the top of the ceiling cap, is tightly fastened. The ceiling cap bracket must also be securely and evenly mounted against the ceiling using two M4 bolts (do **not** use wood screws!) into the power point. Improper installation of these components may result in the lamp/fan being unbalanced or falling.

Commissioning the Remote Control

IMPORTANT: The remote control works immediately. Nevertheless, it is necessary to pair the remote control with the fan module. See page 7 for instructions.

Step 1: Prepare the following parts:
- 7.3. 2x green plugs + crosshead screws for the remote control holder
- 8. Remote control with holder
- 9. 2x AAA-batteries for the remote control

Step 2: Remove the battery cover from the remote control.

Step 3: Install the 2 supplied AAA-batteries and place the battery cover on the remote control.

Step 4: If desired, mount the remote control holder on the wall using the supplied plugs and screws.

<u>Note:</u> If the remote control will not be used for an extended period, remove the batteries to prevent damage to the transmitter. Store the remote control in a location that is not too hot and not too humid.

Functions of the Remote Control

Fan on/off — Summer and winter mode**

Fan speeds 1 to 4 — Lamp and fan on the highest speed/intensity

Lower light intensity (dimming) — Light intensity

Lamp on / off

Sound (beeps) on/off * — 'Sleep wind' - speed slowly decreases

'Natural wind' - imitation of natural wind — WiFi network reset

Timer: automatically switches off the fan after 2, 4 or 8 hours

*   Audible beeps indicate the fan speed: one beep is speed 1, two beeps is speed 2, and so on.

**   To switch between summer and winter mode: press the red button to turn on the fan, then press the summer/winter mode button. Winter mode operates at a fixed speed.

Pairing the Remote Control with the Acero 55 Smart Fan

The supplied remote control operates via radio frequency (RF). By pairing the remote control with the fan module, you create a unique and secure connection. Without pairing, you can still operate the fan with the remote control, but another RF-controlled remote nearby could accidentally operate your Acero 55 Smart Fan. Pairing the remote control and fan module prevents this. If you have multiple fans in the same home or building, pairing is necessary to ensure that only the intended fan responds to each remote control.

Note: First, turn on the sound so you can hear the beep signals.

Step 1:   Make sure the power supply to any other Acero Smart Fans is switched off. Use the wall switch to turn on the power supply to the Acero 55 Smart Fan you want to pair; the light will be on, and the fan will be off.

Step 2:   Press - as quick as possible, but within 60 seconds after Step 1 - the "Natural Wind" button (icon with trees) 3 times, and immediately after this, press the "4H" button 2 times until you hear a beep. The remote control and fan module are now paired..

Unpairing the Remote Control and Acero 55 Smart Fan

Step 1:   Make sure the power supply to any other Acero Smart Fans is switched off. Use the wall switch to turn on the power supply to the Acero 55 Smart Fan you want to unpair; the light will be on, and the fan will be off.

Step 2:   Press - as quick as possible, but within 60 seconds after Step 1 - the "Sleep Wind" button (icon with a bed) 3 times, and immediately after, press the "8H" button 2 times until you hear a beep. The remote control and Acero 55 Smart Fan are now unpaired.
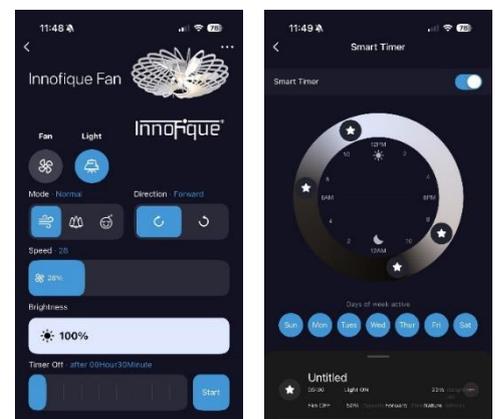
Important information:
1. If the remote control does not work, check the batteries. Low battery voltage can affect the functions of the remote control.
2. If the connection between the remote control and the Acero 55 Smart Fan appears to be lost, unpair the remote control and fan, then pair them again (see instructions above).
3. Please remove the batteries from the remote control if it will not be used for an extended period. This prevents damage to the remote control and the wireless receiver.
4. If the remote control and receiver do not function, check whether any similar RF-controlled devices nearby could be causing interference.
5. If the power has gone out or a fuse has blown, the fan light will turn on when the power is restored.

Using the Innofique – TUYA App

Do you want to operate the Acero 55 Smart Fan truly SMART?
Then download the "Tuya Smart" app. Once the app is downloaded and opened, first create an account. Tap the "plus" icon in the top right corner and select "Add Device." Make sure your Acero 55 Smart Fan is turned on and discoverable. Once the device is added, tapping on it in the Tuya app will take you to the Innofique-environment. This appears as shown in the illustration.

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Using with a Philips Hue light bulb

If you are using the Acero 55 Smart Fan with a Philips Hue light bulb, you can control the light bulb via the Philips Hue app. Does the light bulb flash when you screw it into the socket? This is a sign that it's searching for a connection.

You can control the fan using the supplied remote control.
Note: You cannot dim the Philips Hue light bulb with the supplied remote control.

Maintenance

It is important to clean and maintain the Acero 55 Smart Fan periodically.
- Always make sure the power is switched off when cleaning or performing maintenance on or around the fan.
- Use a soft, lint-free cloth for cleaning to avoid scratches.
- Do not use abrasive or strong cleaning agents.
- Regularly check all connections, such as the screws in the fan blades.

What to do in case of imbalance in the Acero 55 Smart Fan

Although all fan blades are manufactured identically, it is impossible to completely prevent imbalance. This is not a manufacturing defect. Ceiling fans may wobble slightly when running. Movements of up to one centimeter are acceptable and do not indicate a risk of the fan falling.

What you can do to reduce imbalance:
- Check that the locking nut (M10), which secures the socket at the top of the ceiling cap, is tightly fastened.
- Check that the ceiling cap bracket is firmly mounted against the ceiling using M4 bolts in the power point (do not use wood screws!).
- Check that the socket rings are tightened firmly against the rubber ring(s).
- Check that all screws on the fan blades are securely tightened.

Technical specifications Acero 55 Smart Fan

- AC input range: 100 – 240V
- AC frequency: 50/60Hz adaptive
- Input power: 35W
- Motor type: BLDC
- Fan diamter: 51cm
- Number of blades: 6
- Blade material: ABS
- Light bulb wattage: Max. 20W LED
- Compatible light bulb: E14 max. 8cm high

- Motor power: 10W max
- Fan speeds: 269-405-538-670-806 RPM, Winter mode: 405 RPM
- Fan timer: 2/4/8 hours
- Light intensity: 5 stands
- Weight: 2,2kg (ABS), 2,7 kg (wood), 6,0 kg (steel)
- Dimensions: 55x55x30cm
- Warranty: 2 years

Enjoy your Innofique Acero 55 Smart Fan DIY!

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