

Tilt 50 WireFree™ Through-Shaft Zigbee (External Battery)



The Tilt 50 WireFree™ Through-Shaft Zigbee (External Battery) is a through-shaft smart motor specifically designed for tilting 2-inch horizontal blinds. It is powered by an external lithium-ion rechargeable battery pack or plug-in power supply.

Compatible end-products



Horizontal blinds

Main functionalities





TaHoma® pro app

Scan a unique motor QR code and follow a simple, step-by-step process to configure motor settings and end limits to save time.



Android




Android



iOS

Benefits for professionals

- Easy integration**
 - Suitable for headrails at least 50mm wide
 - Through-shaft motor allows for a central position in the headrail providing a wider application scope (applicable to retrofit applications)
 - No hardware modifications required for horizontal blinds
- Simple installation**
 - Save money & time, no need for electrical wiring
- Dedicated setting tool with TaHoma® pro app and maintenance tool Serv-e-Go** (coming in 2024) 
 - Limit settings can be done directly from the app via step-by-step programming instructions
 - Advanced setting available for soft start & stop, speed adjustment, etc.
 - Maintenance service with Serv-e-Go: remote diagnostics
- Reliability and profitability**
 - Highly secure protocol
 - Somfy quality & 5-year warranty
 - Open protocol
 - Native compatibility with Zigbee® 3.0 controllers (including Samsung Smartthings)

Benefits for end users

- Daily comfort**
 - Smooth motion with soft start and soft stop
 - Light management with tilting precision
 - Enhanced quiet operation
- Aesthetic integration**
 - No exposed wiring, uses built-in, rechargeable lithium-ion technology
- Easy to use and low maintenance**
 - Easily control shades with the TaHoma® app
 - Get real time feedback on shade positioning and battery-level status via the TaHoma® app
 - Go hands-free with voice control assistants
 - Powered rechargeable battery pack, solar panel, or plug-in wall power supply
 - Low consumption motor
- Go hands-free with voice control**
 - Compatible with voice control assistants (with TaHoma® switch and Amazon Alexa or Google Home)
- Safety and reliability**
 - Private connectivity
 - No electrical wires or hanging cords, provides a child-safe and pet-friendly solution
 - Somfy quality & 5-year warranty



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Item #: 1241783

Technical data

Voltage Supply	12V DC
Cable	AWG22 - 2 Wires
Index Protecting Rating	IP 20 (for indoor use only)
Limit Switch Type	Electronic
Temperature Working Range	32°F to 140°F (0°C to 60°C)
Temperature Storage Range	-4°F to 140°F (-20°C to 60°C)
Insulation Class	Class III
Antenna	12 cm wire length, must not be cut or lengthened. For greatest RF range, must be exposed and should not come in contact with metal surfaces. RF wire may need to be repositioned for optimal performance.

Dimensions

Motor Length (L)	4 in. (103mm)
Motor Width (W)	1.93 in. (49mm)
Motor Height (H)	1.24 in. (31.5mm)



Performances

Nominal Torque	1 Nm
Nominal Speed	10 rpm
Adjustable Speed	5 to 10 by increment of 1 rpm
Sound Level	< 56 dB(A)*
Radio Protocol	Zigbee 3.0 / Bluetooth 4.2
Radio Frequency	2.4 GHz
Power Supply	12V DC plug-in wall power supply
Battery Type	12V 2600 mAh (external lithium-ion rechargeable)
Battery Autonomy	Only recharge once per year**
Recharging Time	< 4 to 5 hours
Low Battery Indicator	LED

*Power level at nominal torque and speed

**Based on average shade size and one cycle per day

Certifications



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