PRODUCT BRIEF // MOTORIZATION

Petala Sheer Vertical.

Motorized with the patented Fold-Connect™ Foldable Track.



COUTURE LIGHT. ENGINEERED FOR THE TRADE.

petalablinds.com

THE SYSTEM

A motorized sheer vertical, rebuilt from the track up.

Petala Sheer combines the softness of sheer curtains with the with the precision of traditional verticals. Motorized or manual. Manufactured by BWS Inc. in Seoul, South Korea. Available in North North America exclusively through Heliotec.

01

Fold-Connect™ Track

Patented foldable headrail. Ships compact. Operates as one rail.

02

Couture Luxury Clips

Sew-on panels. Washable. Elevated over gator-clip systems.

03

Four Configurations

One Side, Center Close, Double-Sided, 4-Wand. 180° rotation.

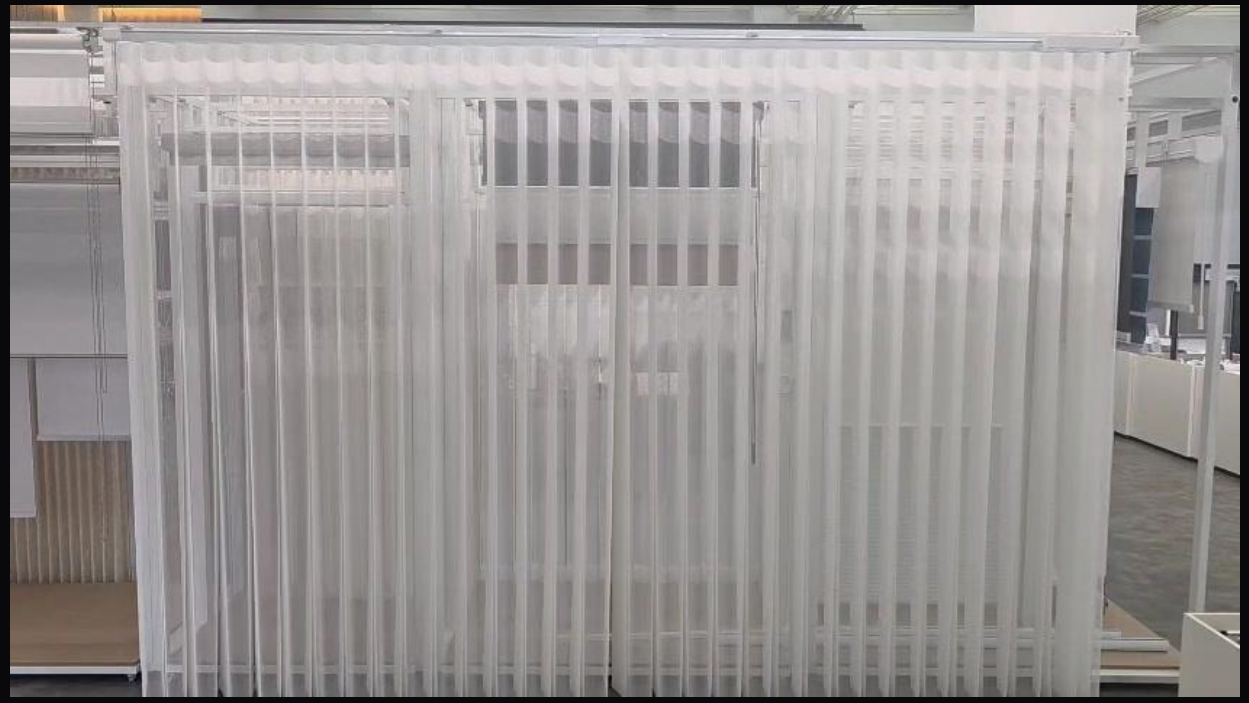
04

AC & DC Motors

RAITEC-engineered. IoT-ready. Battery or hardwired.

MOTORIZATION

Traverse and tilt, on a single remote.



AC Motor

100–240V

Hardwired install. 3-speed adjustable: 9, 12, or 14 cm/sec.

DC Motor

External Battery

Cord-free installs. Same performance, portable power.

Remotes

1-Channel & 6-Channel

6CH model includes jog-shuttle for panel tilt tilt control.

Smart Home

Optional IoT Chip

Voice and app integration via third-party platforms.

HARDWARE

Custom-engineered for RAITEC.

All Petala motor hardware is purpose-built for RAITEC motors to guarantee performance and compatibility. Third-party motors are not supported by this system.

BRAND / MANUFACTURER	RAITEC (owned by Rico) — manufactured via ODM in China
1-CHANNEL REMOTE	Model R2R1CH-802C-WH
6-CHANNEL REMOTE	Model R2R6CH-701V-WH — Jog-shuttle type with tilt control
AC MOTOR MODEL	R2AVM-CMXH-1209
AC MOTOR SPECS	100–240V · 1.2 N·m · 18W · 0.08A · IP40 · 433.92 MHz
AC MOTOR SPEEDS	3-speed adjustable — 9, 12, or 14 cm/sec
DC MOTOR MODEL	R2DVM-CMXH-1209 — Supports external battery pack

CONFIGURATIONS

Track length dictates draw.

Draw capabilities vary with track length and whether the system is motorized or manual. Longer motorized tracks use a Fold-Connect™ joint in the center of the hardware.

MOTORIZED

With Fold-Connect™ Joint

Longer runs. Joint in center.

AVAILABLE DRAWS

+ Center Close
— Left Draw (n/a)
— Right Draw (n/a)

MOTORIZED

Without Joint

Single-section tracks.

AVAILABLE DRAWS

+ Left Draw
+ Right Draw
+ Center Close

MANUAL

Wand Operation

Full flexibility across spans.

AVAILABLE DRAWS

+ Left Draw
+ Right Draw
+ Center Split

INSTALLATION

Motor lives inside the track.



IN-SITU // MOTOR POSITIONED AT HEADRAIL END

Concealed within the headrail

The motor mounts at the end of the track and tucks behind the fabric stack — visually inconspicuous in the finished install.

Fold-Connect™ joint in the center

On motorized long-span tracks, the foldable joint sits centered between motor and end cap. Joint-connected motorized tracks run Center Close only.

Track dimensions: 219mm × 48mm

Assembled cross-section. Foldable Track Patent Application No. 10-2025-0044357.

External battery option (DC)

DC motor variant supports an external battery pack — ideal for retrofits and installs without hardwired power.

CONTROL

Two remotes. One system.

1-CHANNEL REMOTE

R2R1CH-802C-WH

Single-zone control.

Pairs to one motor. Open, close, stop. Clean and minimal.

- One dedicated motor
- Ideal for single-window installs
- Simple pairing and setup

6-CHANNEL REMOTE

R2R6CH-701V-WH

Multi-zone with jog tilt.

Pairs to up to six motors. Includes a dedicated jog-shuttle button for 180° panel rotation.

- Up to 6 motorized tracks
- Jog-shuttle for precise tilt
- Project-grade flexibility

SMART HOME

IoT-ready, when the project calls for it.

OPTIONAL ADD-ON

IoT Chip

A compact module that enables smart home integration on RAITEC motorized tracks. Specified per job; not required for core motorization.

Specify when quoting — add to build spec at order.

USE CASES

Voice control

Integrate with third-party smart home platforms for voice-activated open, close, and tilt.

Scene automation

Tie sheer verticals into lighting and climate scenes — morning, away, evening, night.

App-based control

Phone and tablet operation from anywhere on the local network or remotely via the host platform.

Scheduled cycles

Programmable open/close schedules tied to sunrise, sunset, or time of day.

NEXT STEPS

Tell us what you standardize on.

Share the motor platform you build against today and we will align the correct Petala configuration — AC or configuration — AC or DC, 1CH or 6CH, with or without IoT — to your workflow.

REQUEST THE TRADE KIT