PowerRise® Product Specifications

APPLICATION

- Perpendicular rectangular windows up to 96" in width and up to 120" in height.
- Remote control battery powered motorized operation.

Important: Silhouette® with PowerRise® is not available in the Two-On-One Headrail application, or in Originale™ 4" or Bon Soir™ 4" fabrics.

Size Standards

Minimum Ordered Width	
Satellite battery pack	12"
Battery wand	19"*
Maximum Ordered Width	
Inside (IB) or outside (OB) mount	96"
End (EB) mount	84"
Height	
Minimum ordered height	12"
Maximum ordered height*	Varies with width and fabric type

*See Maximum Size Chart on page SI-23.

Note: An oversized headrail is required if the shading height is over 96" (Originale 2" and 3"), over 84" (Lumiere™ 2" and 3"), over 64" (Bon Jour™ 2" and 3") or over 78" (all other fabrics). The Matisse Collection™ 2" and 3" comes standard with the oversized headrail, all sizes. Specify the headrail color when ordering (see page SI-21).

The bottom rail color will match the headrail unless customer requests that bottom rail color coordinate with fabric. An oversized headrail may be ordered with any shading, so all shadings in a room can have a consistent appearance.

Mounting Requirements

Inside (IB) Mount with Built-in Battery Wand and Back Cover†

Minimum casement depth	1¾"

Minimum casement depth, fully recessed:	
Standard headrail	3¾"
Oversized headrail	4⅓"

Minimum rear fabric clearance	⅛"

Inside (IB) Mount with Satellite Battery Pack and Back Cover†

Minimum casement depth	1⅛"

Minimum casement depth, fully recessed:	
Standard headrail	3⅓"
Oversized headrail	3½"

Minimum rear fabric clearance	⅛"

Outside (OB) Mount‡

Minimum mounting surface height	1⅛"
Recommended width overlap per side	3"
Minimum rear fabric clearance	⅛"

End (EB) Mount with Back Cover

Minimum mounting surface depth:	
Built-in battery wand	2⅛"
Satellite battery pack	1½"

†Inside mounts and end mounts include a back cover and back cover bracket which attach to the installation brackets.

‡Because of added clearance required for battery wands, outside mounts are offered with satellite battery pack only.

HOW TO PRICE

- **Important Note!** All base prices are predicated on Ordered Dimensions, not Finished Dimensions.
- Add any necessary surcharges to the base prices shown on price charts 1 to 5 (see pages SI-3 through SI-7).

Finished Dimensions

(All allowances are taken from ordered dimensions and may vary ± ⅛")

Inside (IB) Mount	
Headrail unit	-³⁄₁₆"
Shading height	-⅛"
Fabric width	-1"
Outside (OB) Mount	
Headrail unit	ordered width
Shading height	-⅛"
Fabric width	-¾"
End (EB) Mount	
Headrail unit	-¹¹⁄₁₆"
Shading height	-⅛"
Fabric width	-1½"

ORDERING CHECKLIST

✔ For detailed Silhouette with PowerRise ordering information, please refer to the Ordering Checklist on page SI-27.

HEADRAIL DIMENSIONS

Standard Headrail — 2¹⁵⁄₁₆" × 2⁹⁄₃₂"

Standard Headrail With Battery Wand — 3⁹⁄₁₆" × 2⁹⁄₃₂"

Oversized Headrail — 3³⁄₁₆" × 2½"

Oversized Headrail With Battery Wand — 3¾" × 2½"

BATTERY POWERED OPTIONS

All Silhouette® window shadings fabrics are available with the PowerRise® system, except Trés Vue™ (A15), Originale™ 4" (A24) and Bon Soir™ 4" (A23) fabrics (see maximum size chart). Eight standard alkaline batteries deliver all the power needed to control all shading functions for a year or more of normal use.

- **Simplicity** — Quick and easy to install and operate. Requires no wiring, power supplies or control units.
- **Convenience** — All functions can be controlled from the comfort of your bed or chair.
- **Affordable** — The perfect solution for affordable motorization.
- **Beauty** — Cordless design allows shadings to have a more sleek, elegant appearance.
- **Safety** — Eliminates child and pet safety hazards associated with cord loops.

PowerRise Maximum Size Chart

➤ Originale 2" & 3"

HEADRAIL WIDTH TO:	24"	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"	90"	96"
MAXIMUM HEIGHT STANDARD	96"	96"	96"	96"	96"	96"	96"	96"	96"	84"	66"	54"	42"
OVERSIZED	120"	120"	120"	120"	120"	120"	120"	120"	102"	84"	66"	54"	42"

➤ The Matisse Collection™ 2"* & 3"*

	24"	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"	90"	96"
MAXIMUM HEIGHT STANDARD													
OVERSIZED	120"	120"	120"	120"	120"	120"	120"	120"	102"	84"	66"	54"	42"

➤ Bon Soir 2" & 3"†   ➤ Lumiere™ 2" & 3"†   ➤ Naturelle™ 2" & 3"

	24"	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"	90"	96"
MAXIMUM HEIGHT STANDARD	78"	78"	78"	78"	78"	78"	78"	78"	78"	66"	54"	42"	36"
OVERSIZED	96"	96"	96"	96"	96"	96"	96"	78"	78"	66"	54"	42"	36"

➤ Bon Jour™ 2" & 3"   ➤ Toujours™ 2" & 3"

	24"	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"	90"	96"
MAXIMUM HEIGHT STANDARD	78"	78"	78"	78"	78"	78"	72"	60"	48"	42"	36"	24"	
OVERSIZED	96"	96"	96"	96"	96"	90"	72"	60"	48"	42"	36"	24"	

- PowerRise option not available in Trés Vue 2", Originale 4" or Bon Soir 4" fabrics.
*The Matisse Collection™ fabrics available on oversized headrail only.
†Oversized headrail required on Bon Soir 2" and 3" shadings over 64" in height, and Lumiere 2" and 3" shadings over 84" in height.

SATELLITE DIMENSIONS

- Satellite eye:
  2" width x 1¼" height x ¾" depth
- Satellite battery pack:
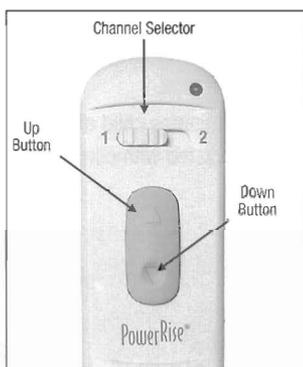 2¼" width x 9" height x 1¾" depth

BATTERY OPTIONS

- Built-in battery wand:
  – Standard with inside mount and end mount
  – Adds ⅝" to mounting depth
  – Not available for outside mount
- Satellite battery pack:
  – Required with outside mount
  – Optional with inside mount and end mount
  – Available with wire length to headrail of 15", 4' or 8'
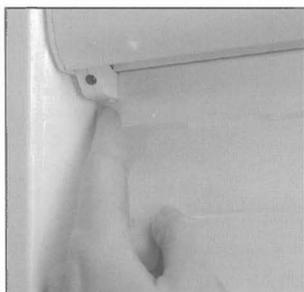
INFRARED EYE OPTIONS

- Standard built-in infrared eye:
  – Located on left or right side below the headrail end cap
- Optional satellite eye:
  – Available with wire length to headrail of 20", 4' or 8'
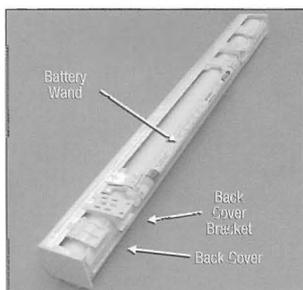
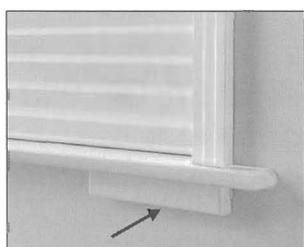# PowerRise® Design and Operation

SILHOUETTE® WINDOW SHADINGS

Remote Control

Infrared Eye And Manual Control Button

AA Battery Wand And Back Cover

Satellite Battery Pack

AC Transformer

OVERVIEW

Silhouette® with PowerRise® shadings offer all the beauty and light control of Silhouette window shadings plus convenient remote controlled motorized operation. Silhouette with PowerRise shadings are battery powered. Installation is quick and easy; no wiring, power supplies or control units are required.

Remote Control

Silhouette with PowerRise shadings are operated using a sleek, hand-held remote control. Simplicity is a key feature of the PowerRise system, and this feature is reflected in the easy-to-use design of the remote control. It includes up and down buttons, and a channel selector switch to change from channel one to channel two operation.

Infrared Eye

The signal from the remote control is received by an infrared eye, either located under the headrail or on an optional satellite eye.

The internal infrared eye can be located on either side of the headrail. The satellite eye is used when a top treatment blocks the signal from the remote control to the internal infrared eye. It can be connected on either side of the headrail and located a maximum of 8' away.

Manual Control Button

If the remote control is misplaced, shadings can be operated using the manual control button, located below the infrared eye under the headrail or on the satellite eye.

Battery Wand

Due to extended depth mounting requirements, battery wands are not available for outside mounts. Inside mounts and end mounts come standard with a battery wand that is mounted to the rear of the headrail.

There are two sizes of wands. The smaller wand, for shadings 19" to 28" wide, uses eight AAA alkaline batteries. The larger wand, for shadings over 28" wide, uses eight AA alkaline batteries.

Either type of wand adds /" to the rear of the headrail, increasing the mounting depth requirements.

With the battery wand, the shading must be removed from the window to change batteries.

Satellite Battery Pack

The satellite battery pack is required for outside mounts and is a no-charge option for inside mounts and end mounts. With inside and end mounts, utilizing the satellite battery pack reduces mounting depth requirements by ⅓"

The satellite battery pack connects to the same side of the headrail where the infrared eye is located. It can be mounted in a convenient location up to 8' away — next to the molding, under the sill, even on top of the headrail.

Because the shading can remain in the window, it's very simple to change the eight AA batteries in the satellite battery pack.

AC Transformer

To entirely eliminate batteries, the PowerRise system is available with an optional AC transformer. The transformer plugs into a standard wall outlet and connects to the shading using a 12', 16' or 25' wire.

Back Cover

Inside and end mount installations include a back cover to hide the electrical componentry from exterior view. The back cover attaches to the installation brackets via back cover brackets.

SHADING OPERATION

Lowering the Shading

Point the remote control at the infrared eye and press the down button. As soon as the shading begins to lower, release the button. The shading will stop automatically when it reaches the fully lowered position.

To stop the shading before it is fully lowered, press the down button a second time.
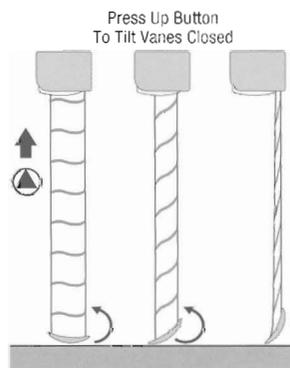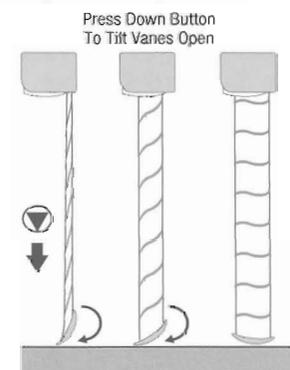
Raising the Shading

Point the remote control at the infrared eye and press the up button. As soon as the shading begins to raise, release the button. The shading will automatically stop when it reaches the fully raised position.

To stop the shading before it is fully raised, press the up button a second time.

Tilting the Vanes Open

Silhouette® with PowerRise® shadings must be fully lowered to open and close the vanes.

Tilting The Vanes Open And Closed

Press Down Button
To Tilt Vanes Open

Press Up Button
To Tilt Vanes Closed

To tilt the vanes open, point the remote control at the infrared eye and press the down button. As soon as the vanes begin to jog open, release the button.

To stop the tilting of the vanes at any point, press the down button again.

Tilting the Vanes Closed

Press and release the up button to tilt the vanes closed. To stop the tilting of the vanes at any point, press the up button again.

Vane Alignment

Due to varying battery voltage, vane alignment between abutted shading applications cannot be guaranteed.

Using the Manual Control Button

The manual control button can also be used to fully operate the shading. The button is located under the headrail, below the internal infrared eye or next to the infrared eye on the satellite eye.

Pressing the manual control button will alternately:

- Lower the shading
- Tilt the vanes open
- Tilt the vanes closed
- Raise the shading

Pressing the button while one of these functions is in process will stop the action.

MEMORY STOP FEATURE

The Memory Stop feature allows the shading to be pre-set so it can be stopped at the same height each time the shading is raised.

Setting The Memory Stop

Setting the Memory Stop

With the shading sufficiently lowered and the vanes closed, press the up button to raise the shading. When the shading reaches the desired height, gently grasp the bottom rail with *both* hands to stop the shading's motion. Keep the rail level. The motor will hesitate for a moment, then shut off.

Now every time the shading moves, it will automatically stop at that height.

Resetting the Memory Stop

Follow the same procedure described above for Setting the Memory Stop.

Clearing the Memory Stop

This can be done by completely resetting the shading, as described below.

Resetting the Shading

Point the remote control at the infrared eye and press and hold either the up or down button. The shading will start moving but will stop after approximately three seconds. Release the button and the shading is reset. Once reset, the intermediate stop is also cleared and the shading will need to be reset to its stop positions. Raise the shading until it reaches its upper stop limit, then lower the shading until it reaches its lower stop limit. The shading should now be reset.

Upper Limit

If the bottom rail does not fully raise into the headrail, push and release the up button on the remote control again. The shading will find the upper mechanical stop limit. If this needs to be done repeatedly, the batteries may be weak and should be replaced.

Lower Limit

If the vanes do not open fully, or if the shading starts "jogging" before it is completely lowered, the lower limit needs to be reset. This can be done by pushing and releasing the down button on the remote control until the shading reaches the lower mechanical stop limit.

IMPORTANT CHOICES

To help your customers order Silhouette® with PowerRise® shadings that meet their needs and expectations, you must be familiar with all the available options and understand why some are better than others in a particular situation.

Mounting Style and Battery Options

Deciding between inside or outside mounting is one of the first choices for your customers. A major factor in this choice is which battery option is desired — the built-in battery wand or the satellite battery pack.

Because of the added clearance required, the battery wand is *not* available for outside mounts; the satellite battery pack or AC transformer are required with outside mounts and optional for inside mounts.

Inside Mounting Depth

The battery wand adds ⅞" to the inside mounting depth required, as shown on page SI-22. If mounting depth is limited, the consumer can choose a satellite battery pack or order an outside mount.

High Windows

Another important consideration when choosing the battery option is how accessible the batteries will be when it comes time to replace them. Remember, with the battery wand, the *shading must be removed from the window* to change the batteries.

If shadings are mounted in high windows, a satellite battery pack may be the better alternative. With an 8' wire attached to the headrail, the satellite battery pack can almost always be mounted in an easily accessible location.
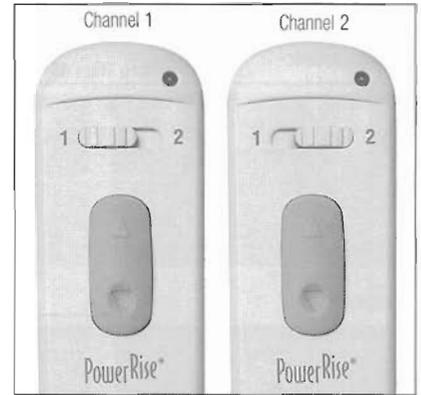
Infrared Eye Placement and Channel Selection

Generally, if the infrared eyes of adjacent or stacked shadings can be placed so that they are at least 48" apart, channel one operation is all that is needed to operate each shading independently.

If the infrared eyes are closer than 48", however, one or more of the shadings should be specified for channel two operation. The channel selector switch on the remote control can then be used to select which shadings are activated by the remote control's signal.

Review the illustrations on page SI-28 to see examples of infrared eye spacing, as well as an example of when channel two operation is recommended.

Silhouette with PowerRise shadings are factory set for channel one operation. Shadings must be specified for channel two operation at the time they are ordered.

Satellite Eye

If the internal infrared eye on the headrail will be covered by a top treatment or cornice, a satellite eye should be ordered.

The satellite eye can be positioned a short distance from the headrail, or up to 8' away. This makes it easy to place infrared eyes of adjacent or stacked shadings at least 48" apart for independent single-channel operation.
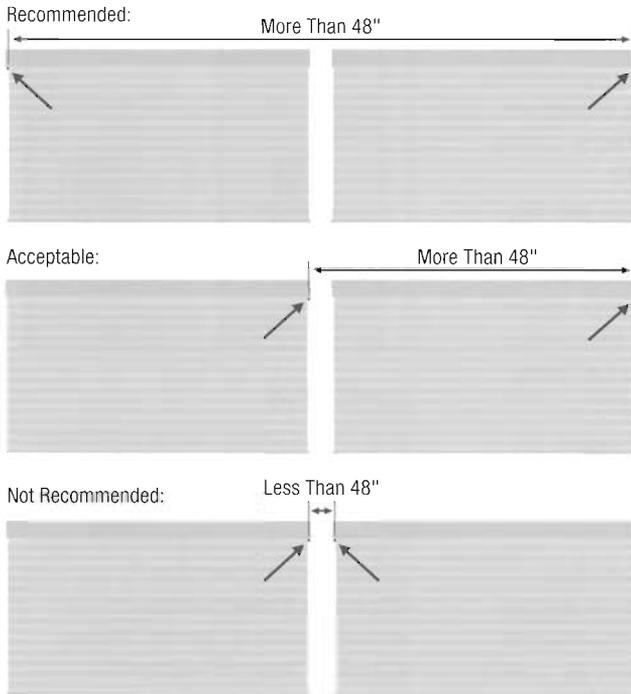
Ordering Checklist

Use the checklist below to be sure you consider all the important choices when ordering Silhouette with PowerRise window shadings.

- ✔ Is the shading within size specifications for the fabric ordered?
- ✔ Is the shading an inside mount or an outside mount?
- ✔ Does your customer want the fabric-covered headrail option?
- ✔ Taking into account mounting depth and clearance requirements, is the battery wand or satellite battery pack the better choice?
- ✔ Is the satellite battery pack needed for convenient battery access?
- ✔ With outside mounts, are spacer blocks or extension brackets needed for added clearance?
- ✔ Will adjacent shadings require alternate left and right infrared eye placement to be sure the eyes are more than 48" apart for reliable independent operation using a single channel?
- ✔ Is channel two operation necessary for one or more shadings to ensure independent operation of adjacent or stacked shadings?
- ✔ Will a top treatment cover the headrail, requiring a satellite eye?
- ✔ Is more than one remote control required for shadings in different rooms or on different floors?
- ✔ Was the remote control ordered?
- ✔ Is the optional AC transformer required?
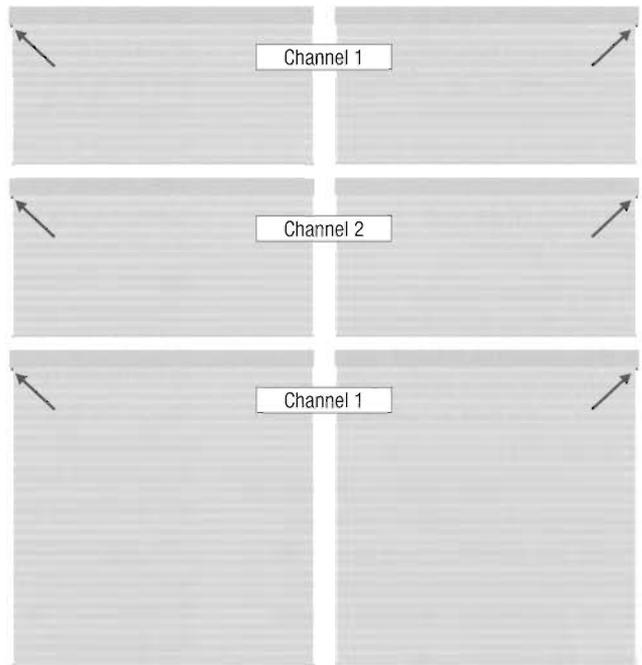
PowerRise® Application Guidelines

SILHOUETTE® WINDOW SHADINGS

Distance Between Infrared Eyes

Recommended:

More Than 48"

Acceptable:

More Than 48"

Not Recommended:

Less Than 48"

Two-Channel Operation

Independent Operation With Stacked Shadings

Channel 1

Channel 2

Channel 1

As a general rule, the infrared eyes on adjacent shadings should be positioned as far apart as possible for independent operation of each shading, using a single channel. The minimum separation for independent single-channel operation is 48" Two-channel operation may be required with stacked configurations to ensure independent operation of each shading.

OPERATING SPECIFICATIONS

The three important operating specifications to consider are: distance from remote control to the infrared eye, maximum mounting height, and angle of the infrared beam.

Distance from Remote Control to Infrared Eye

Shadings can be operated with the remote control up to 30' away from the infrared eye. Depending upon light conditions, angle of operation and battery strength, this maximum distance can vary.

Maximum Mounting Height

The maximum recommended mounting height of Silhouette® with PowerRise® shadings is 16'.

Angle of the Infrared Beam

Shown below are the two angles to consider, both of which are measured from a line drawn perpendicular to the headrail.

The maximum *side* angle of the infrared beam to the built-in infrared eye is 45°.

When the remote control is pointed upward at the infrared eye, the maximum *vertical* angle is 55°

With satellite eyes, the side angle is the same. The vertical angle varies depending upon how the hinged satellite eye is tilted.

Maximum Angles Of The Infrared Beam

Side Angle
Overhead View
(Looking Down On Headrail)

0°

45°
Maximum
Side Angle

45°

Shading   Window

Vertical Angle
Side View
(Looking At Shading Profile)

0°

55°
Maximum
Vertical Angle

55°

Shading   Window