

Motorization

Refer to base price lists for Features and Benefits and options specific to the product being ordered.

RADIO FREQUENCY (RF)

All radio frequency motorization systems include the following:

- Window treatments can be operated from virtually anywhere in the home without being in the direct line of sight
- Control shades/blinds when entering or exiting a room with the simple push of a button
- Allow for easy operation of hard-to-reach or large windows
- Operate multiple window treatments simultaneously or individually
- Cordless motorization eliminates the choking hazard of products with external cords
- Programmable to operate at certain times of the day to efficiently manage heat loss and gain — a great way to reduce your energy bill in any season
- Programmable to operate at certain times of the day to protect furniture from UV rays
- Programmable to automatically operate at preset times to improve security by making your home look occupied when you're away
- Easily integrated with other home-automation systems
- Low voltage motorization requires no costly electrical hard-wiring or installation
- Ready to install and operate
- Not available with hold down brackets or specialty window treatments

INFRARED (IF)

All infrared motorization systems include the following:

- Window treatment must have a clear direct line of sight for operation
- Allow for easy operation of hard-to-reach or large windows
- Operate multiple window treatments simultaneously or individually
- Cordless motorization eliminates the choking hazard of products with external cords
- Ready to install and operate
- Not available with hold down brackets or specialty window treatments
- Includes 10" satellite eye
- Best solution for areas with large volume of radio frequency interference
- Low cost automatic control option
- Available with the LightWeaves® Program

Motorization Control Chart

PRODUCT

		CrystalPleat Cellular	EvenPleat & FashionPleat	Fresco® Roman Shades	LightWeaves Roller and Solar	2"; 2¾" Wood; 2½" Shutter Style; 2" Composite	2" Aluminum and 2" Vinyl
Radio Frequency Controls	Single Channel Hand Held Remote (White)	X	X	X	X	X	X
	Five Channel Hand Held Telis Remote (White)	X	X	X	X	X	X
	Single Channel Wall Switch (White or Ivory)	X	X	X	X	X	X
	Five Channel Wall Switch (White or Ivory)	X	X	X	X	X	X
	Programmable Timer	X	X	X	X	X	X
Infrared Controls	Single Channel Remote (IR) (Black)				X		
	Eight Channel Remote (IR) (Black)				X		
Power Sources	12 Volt DC Plug-in Transformer	X	X	X	X	X	X
	12 Volt Battery Wand (Reloadable)	X	X	X	X	X	X
	12 Volt Battery Wand (Sealed)	X	X	X	X	X	X
	24 Volt Wall Plug-In for Sonesse Motor				X		

WARRANTY—ALL PRODUCTS

- Motorization components include a five-year limited warranty excluding all batteries and battery wands.
- FashionPleat® has a three-year limited warranty.

BATTERY WAND INSTALLATION CONSIDERATIONS

- Dual batteries wands are installed outside of the product and can be challenging to hide in some applications
 - For outside mounts, battery wands can be installed above or to the side of the shade
 - For inside mounts, battery wands are usually top mounted (behind the headrail) between the shade and the window; to mount the battery wands additional recessed space will be needed

Battery Wand Dimensions: 18" x 1½"

Dual Battery Wand Dimensions: 18" x 2¼" (installed side-by-side)

Single Battery Wand with flush mount: Product flush mount + 1½"

Single Battery Wand minimum recessed space: Product minimum recessed space + 1½"

Dual Battery Wand with flush mount: Product flush mount + 2¼"

Dual Battery Wand minimum recessed space: Product minimum recessed space + 2¼"

CrystalPleat® Cellular Motorization



- Refer to base price lists for Features and Benefits and options specific to the product being ordered.
- Available with Radio Frequency (RF) only
- Allows for easy operation of hard-to-reach or large windows
- Efficiently manages energy (heat gain and loss)
- Provides safety, no external cords
- RF motorization allows shade operation from virtually anywhere in the house without direct line of sight
- Operates groups of shades simultaneously or individually
- Remotes, wall switches and timers available with RF motorization
- Offers enhanced security with the optional wireless timer
- Controls shades when entering or exiting a room with optional wireless wall switches
- Motor located on right side inside the headrail
- Not available on Specialty Shape shades
- Not available with hold-down brackets

NOTE: Motorization components and accessories have a five-year limited warranty; excludes battery wands.

Size Considerations

	Minimum Width*	Maximum Width	Minimum Height	Maximum Height
All Fabric Styles except Cocoon Double Cell	29" For smaller shades see below	144"†	9"	144"
Cocoon Double Cell		86"		96"
Side Mount		60"		96"

Maximum overall shade size: 12,960 sq. in. (90 sq. ft.)

Garden Retreat double cell limited to 10,080 sq. in. (70 sq. ft.) for shades over 84" wide.

* For all inside mount applications— $\frac{3}{8}$ " deduction is taken by the manufacturer on overall width

† Based on fabric width

Less Than Minimum Width:

If finished shade width is at least	Maximum Height of Shade
20" but less than 20½"	35⅞"
20½" but less than 21"	40"
21" but less than 21½"	47⅞"
21½" but less than 22"	54⅞"
22" but less than 22½"	58⅞"
22½" but less than 23"	66"
23" but less than 23½"	73"
23½" but less than 24"	77¾"
24" but less than 24½"	84¾"
24½" but less than 25"	91⅞"
25" but less than 25½"	96⅞"
25½" but less than 26"	103⅝"
26" but less than 26½"	110¾"
26½" but less than 27"	115⅝"
27" but less than 27½"	122½"
27½" but less than 28"	129⅝"
28" but less than 28½"	134¼"
28½" but less than 29"	141⅝"
29" or greater	144"

Pleated Motorization



- Refer to base price lists for Features and Benefits and options specific to the product being ordered.
- Available with Radio Frequency (RF) only
- Allows for easy operation of hard-to-reach or large windows
- Provides safety, no external cords
- RF motorization allows shade operation from virtually anywhere in the house without direct line of sight
- Operates groups of multiple shades simultaneously or individually
- Remotes, wall switches and timers available with RF motorization
- Offers enhanced security with the optional wireless timer
- Control shades when entering or exiting a room with optional wireless wall switches
- Motor located on right side inside the headrail
- Not available with hold-down brackets

NOTE: Motorization components and accessories have a five-year limited warranty, excludes battery wands and batteries.

Size Considerations

	Minimum Width*	Maximum Width†	Minimum Height	Maximum Height
1" FashionPleat®	25½"	144"	9"	96"
1" EvenPleat®	25½"	120"	9"	96"

Side mount maximum width: 60"

* For all inside mount applications—¾" deduction is taken by manufacturer on overall width

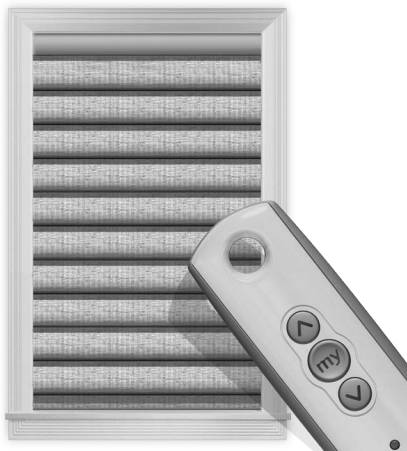
† Based on fabric width and overlaps

For shades less than Minimum Width:

If finished shade width is at least	Max. Height of Shade
20" but less than 20½"	31¾"
20½" but less than 21"	36½"
21" but less than 21½"	43½"
21½" but less than 22"	50⅝"
22" but less than 22½"	55⅝"
22½" but less than 23"	62⅝"
23" but less than 23½"	69½"
23½" but less than 24"	74⅝"
24" but less than 24½"	81¼"
24½" but less than 25"	88⅝"
25" but less than 25⅝"	93"
25½" and greater	96"

Not available with any other specialty options or 2" pleated fabrics.

Fresco® Roman Motorization



- Refer to base price lists for Features and Benefits and options specific to the product being ordered.
- Available with Radio Frequency (RF) only
- Allows for easy operation of hard-to-reach or large windows
- Provides safety, no control cords on front of shade
- RF motorization allows shade operation from virtually anywhere in the house without direct line of sight
- Operates groups of shades simultaneously or individually
- Remotes, wall switches and timers available with RF motorization
- Offers enhanced security with the optional wireless timer
- Control shades when entering or exiting a room with optional wireless wall switches
- Motor located on right side inside the headrail
- Not available with hold-down brackets

NOTE: Motorization components and accessories have a five-year limited warranty, excludes battery wands and batteries.

Size Considerations

WIDTH		HEIGHT	
Minimum*	Maximum	Minimum	Maximum
25" OM 25 ³ / ₈ " IM (for smaller shades see chart below)	144" (multiple shades on one headrail)	18"	96"

Side mount maximum width: 60"

*For all inside mount applications - ³/₈" deduction is taken by manufacturer on overall width

Less than minimum width:

If shade width is at least:	Maximum Height of Shade
20" but less than 20 ¹ / ₂ "	35 ³ / ₈ "
20 ¹ / ₂ " but less than 21"	40"
21" but less than 21 ¹ / ₂ "	47 ¹ / ₈ "
21 ¹ / ₂ " but less than 22"	54 ¹ / ₈ "
22" but less than 22 ¹ / ₂ "	58 ⁷ / ₈ "
22 ¹ / ₂ " but less than 23"	66"
23" but less than 23 ¹ / ₂ "	73"
23 ¹ / ₂ " but less than 24"	77 ³ / ₄ "
24" but less than 24 ¹ / ₂ "	84 ³ / ₄ "
24 ¹ / ₂ " but less than 25"	91 ⁷ / ₈ "
25" or greater	96"

Wood, Composite and Faux Wood Motorization



- Refer to base price lists for Features and Benefits and options specific to the product being ordered.
- Available on Traditions 2", 2 $\frac{3}{8}$ " and 2 $\frac{1}{2}$ " Shutter Style Wood Blinds, Elite Wood Blinds and Traditions 2" Composite Blinds
- RF (Radio Frequency) only
- RF motorization allows blind operation from virtually anywhere in the house without direct line of sight
- Tilts slats on groups of multiple blinds simultaneously or individually
- RF remotes, wall switches and timers available
- Offers enhanced security with the optional wireless RF Timer
- Tilt slats when entering or exiting a room with optional wireless wall switches
- Motor located on the left side inside the headrail
- Hold-down brackets not available

Size Specifications

To use this size Chart:

1. Determine your blind width and height dimensions.
2. Make sure dimensions are within minimum and maximum size specifications listed.
3. Multiply width times height. Round each dimension up to nearest inch for easy calculation to obtain blind size in square inches.
4. Make sure your calculated blind sizes do not exceed the maximum size specifications listed.

Minimum Width	19" exact
Maximum Single Blind Width	96"
Maximum Multiple Blinds on One Headrail Width	96"
Minimum Height	10"
Maximum Height	120"
Maximum Size	2" and 2 $\frac{3}{8}$ ": 7,200 sq. in. 2 $\frac{1}{2}$ ": 5,760 sq. in.

Example:

96" wide x 96" high = 9,216 sq. in. (over max. size)
 18" wide x 62" high = 1,116 sq. in. (under min. width)
 67" wide x 84" high = 5,628 sq. in. (ok)

2" Vinyl and 2" Aluminum Motorization



- Refer to base price lists for Features and Benefits and options specific to the product being ordered.
- Radio Frequency (RF) only
- RF motorization allows blind operation from virtually anywhere in the house without direct line of sight.
- Tilts slats on groups of blinds simultaneously or individually
- Remotes, wall switches and timers available with RF motorization
- Offers enhanced security with the optional wireless RF Timer
- Tilt slats when entering or exiting a room with optional wireless wall switches
- Motor located on the left side inside the headrail
- Hold-down brackets not available

Vinyl: Size Specifications

Follow these steps to determine if your blinds can be motorized:

1. Measure blind width and height.
2. Make sure measurements are within minimum and maximum size specifications listed to the left.
3. Multiply width times height. Round each dimension up to nearest inch for easy calculation to obtain blind size in square inches.
4. Make sure your calculations do not exceed the maximum size specifications listed.
5. Multiple blinds on one headrail are allowed if total size is under 7,200 sq. in. All blinds will operate together with one motor.

Minimum Width	19"
Maximum Width	84"
Maximum Height	108"
Maximum Size	7,200 sq. in.

Example:

84" wide x 96" high = 8,064 sq. in. (over max. size)
 18" wide x 62" high = 1,116 sq. in. (under min. width)
 67" wide x 84" high = 5,628 sq. in. (ok)



Aluminum: Size Specifications

- 2" Grandeur™ only

Follow these steps to determine if your blinds can be motorized:

1. Measure blind width and height.
2. Make sure measurements are within minimum and maximum size specifications listed to the left.
3. Multiply width times height. Round each dimension up to nearest inch for easy calculation to obtain blind size in square inches.
4. Make sure your calculations do not exceed the maximum size specifications listed.
5. Multiple blinds on one headrail are allowed if total size is under 7,200 sq. in. All blinds will operate together with one motor.

Minimum Width	19"
Maximum Width	84"
Maximum Height	126"
Maximum Size	7,200 sq. in.

Example:

84" wide x 96" high = 8,064 sq. in. (over max. size)
 18" wide x 62" high = 1,116 sq. in. (under min. width)
 67" wide x 84" high = 5,628 sq. in. (ok)

Roller and Solar Motorization



- **See LightWeaves® Price List for size specifications**
- Refer to base price lists for Features and Benefits and options specific to the product being ordered.
- Allows for easy operation for those hard to reach or large windows
- Offers enhanced security with the optional wireless timer
- Efficiently manages energy (heat gain and loss)
- Provides safety, no external cords
- RF (Radio Frequency) motorization allows shade operation from virtually anywhere in the house without direct line of site
- IF (Infrared) control requires direct line of sight
- RF control operates group shades simultaneously or individually
- RF Remotes, wall switches and timers available
- Control shades when entering or exiting a room with optional wall switches
- Inside mount $\frac{1}{16}$ " light gap per side
- Motor located on the left or right side, standard on the right
- Hold-down brackets not available

NOTE: Motorization components and accessories have a 5 year limited warranty, excludes battery wand.

Motorization Pricing

MOTOR PRICING BY PRODUCT

Must order 12 Volt Motor, one (1) Power Source Option (A), and one (1) remote control (B) per order. See next page for illustrations of items listed below.

For motorized Dual Solar or Roller Shades, one (1) motor and one (1) power source is required for each motorized shade (total of two (2) motors and two (2) power sources if both shades of the Dual Shade are motorized).

Motor Pricing: Add motor surcharge to blind or shade price from product price list.

Product	Surcharge	Product	Surcharge
Cellular: RF Motor	\$475 per panel	2" Aluminum: RF Motor	\$380
Pleated: RF Motor	\$475 per panel	Roller and Solar: RF Motor	\$475
Roman: RF Motor	\$475 per panel	Roller and Solar: Quiet 24 Volt Motor (includes DC plug-in transformer)	\$1013
Wood, Composite or Faux Wood: RF Motor	\$380		
2" Vinyl: RF Motor	\$380	Roller and Solar: IR Motor (includes Satellite eye)	\$309

For all other non-motorization options, see price list for specific blind or shade.

MOTORIZATION: INFRARED (IR)

AVAILABLE WITH ROLLER AND SOLAR SHADES.

Must order 12 Volt Motor, one (1) Power Source Option (A), and one (1) remote control (B) per order. See next page for illustrations of items listed below.

For motorized Dual Solar or Roller Shades, one (1) motor and one (1) power source is required for each motorized shade (total of two (2) motors and two (2) power sources if both shades of the Dual Shade are motorized).

A. Power Source – Choose one (1) Battery Wand and/or one (1) Transformer per motor

Infrared Power Source	
12 Volt Battery Wand–Reloadable Wand – Empty:requires 8 AA lithium batteries (not included)	\$81
12 Volt Battery Wand–Reloadable Wand – Includes an 8 pack of AA lithium batteries	\$140
12 Volt Battery Wand sealed with Lithium batteries.	\$145
12 Volt Dual Battery Wand sealed. Two sealed battery wands required over 3600 square inches.	\$290
12 Volt DC Plug-in Transformer with 25 ft lead (White)	\$157

NOTE: All battery wands include a removable 10" lead wire and mounting clips. 25 ft. transformer power cord can be cut to desired length at time of installation.

B. Controller

Infrared Control Remotes	
Single Channel Remote, Black, with 2 AAA Alkaline batteries. This remote works with Infrared motors and requires a direct line of sight to operate shades.	\$89
Eight Channel Remote, Black, with 2 AAA Alkaline batteries. This remote works with Infrared motors and requires a direct line of sight to operate shades. Recommend using this remote with motorized Dual Shades.	\$105

MOTORIZATION: RADIO FREQUENCY (RF)

AVAILABLE WITH PRODUCTS LISTED ABOVE.

Must order 12 Volt Motor, one (1) Power Source Option (A), and one (1) control (B) per order.

For motorized Dual Solar or Roller Shades, one (1) motor and one (1) power source is required for each motorized shade (total of two (2) motors and two (2) power sources if both shades of the Dual Shade are motorized).

A. Power Source – Choose one (1) Battery Wand or one (1) Transformer per motor

Radio Frequency Power Source	
12 Volt Battery Wand–Reloadable Wand. Empty: requires 8 AA lithium batteries (not included) For Cellular, Pleated and Roman surcharge is per panel.	\$81
12 Volt Battery Wand–Reloadable Wand. Includes an 8 pack of AA lithium batteries. For Cellular, Pleated and Roman surcharge is per panel.	\$140
12 Volt Battery Wand sealed. Filled with 8 Lithium batteries; for shades under 3600 sq. in. For Cellular, Pleated and Roman surcharge is per panel.	\$145
12 Volt Dual Battery Wand sealed. Two sealed battery wands required over 3600 square inches. For Cellular, Pleated and Roman surcharge is per panel.	\$290
12 Volt DC Plug-in Transformer with 25 ft power cord (White). For Cellular, Pleated and Roman surcharge is per panel.	\$157

NOTE: All battery wands include a removable 10" lead wire and mounting clips. 25 ft. transformer power cord can be cut to desired length at time of installation.

B. Controller – Choose one or more Remote Controls, Wall Switches or Timer per order; Controllers are wire free and battery is included.

Radio Frequency Remote Controls	
Single Channel RF Remote – White Controls one or more shades functioning on the same channel	\$144
Five Channel RF Remote – White - Use to control multiple shades independently, in a group or in multiple groups	\$193
Radio Frequency Wall Switches	
Single Channel RF Wall Switch Choose White or Ivory. Controls one or more shades functioning on the same channel	\$340
Five Channel RF Wall Switch Choose White or Ivory. Use to control multiple shades independently, in a group or in multiple groups	\$373
Radio Frequency Timer	
RF Timer. White; Controls one or more shades functioning on the same channel manually or at predetermined times.	\$533

Motorization Controls and Power Sources

Radio Frequency motorization is available with products outlined on page 2 of this price list.

RADIO FREQUENCY (RF) MOTORIZATION

12 Volt Motor–Radio Frequency Controlled

The 100% wire free motor. Motor has built-in radio control. Powered by batteries or transformer so there is no need for electrical wiring.

Radio Frequency Remote Controls

Single Channel RF Remote: White

Single Channel RF remote is compatible with all Radio Frequency Motors. Use to control a single blind or group of blinds/shades performing the same function from up to 65 ft. away. It is compatible with RF wall switches and the RF timer. A great way to operate blinds/shades without a direct line of sight.



Five Channel RF Remote: White

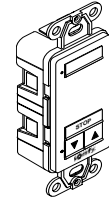
Five Channel RF remote is compatible with all Radio Frequency Motors. Use to control multiple blinds/shades independently, in a group setting, or multiple groups from up to 65 ft. away. It is compatible with RF wall switches and the RF timer. Perfect for controlling blinds/shades in multiple rooms.



Radio Frequency Wall Switches

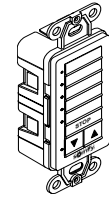
Single Channel RF Wall Switch: White or Ivory, Wire Free

Single Channel RF wall switch is compatible with all Radio Frequency Motors. It provides the same functions as the Single Channel RF Remote with the convenience of a wall switch. Wall switch is battery operated so there is no wiring required. Available in two colors to match your homes existing light switches.



Five Channel RF Wall Switch: White or Ivory, Wire Free

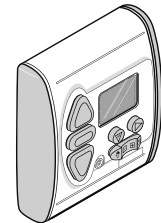
Five Channel RF wall switch is compatible with all Radio Frequency Motors. It provides the same functions as the Five Channel RF Remote with the convenience of a wall switch. Wall switch is battery operated so there is no wiring required. Available in two colors to match your home's existing light switches.



Radio Frequency Timer

RF Timer

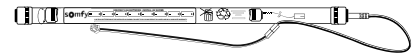
The digital timer is compatible with all Radio Frequency Motors. The timer can be programmed to automatically operate blinds/shades at a predetermined time each day or at different times every day of the week; or the astronomical (Cosmic) setting may be applied to automatically operate blinds/shades in accordance to sunrise and sunset. Additionally, a security mode may be enabled to randomly operate blinds/shades, simulating an occupied home while you are away. Provides the ultimate control for your motorized blinds/shades. When using timer with multiple blinds/shades, all blinds/shades will operate the same.



Radio Frequency Power Source

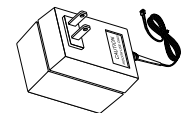
12 Volt Reloadable Battery Wand

Requires 8 AA Lithium Batteries; can order with or without batteries. Larger blinds/shades may require two. Includes 10" removable lead wire and wall mount clips.



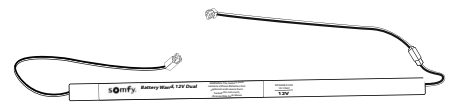
12 Volt DC Plug-in Transformer

Transformer is 2" wide by 2 1/2" deep by 3" long. Output: 12 volts 2 amps; white only; and 25' white power cord. Plugs directly into residential wall outlet, eliminating the need for batteries.



12 Volt Sealed Battery Wand

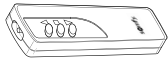

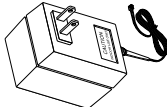
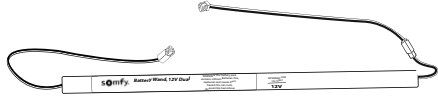
Sealed with 8 AA Lithium Batteries; Larger shades require two single battery wands connected together (dual); includes 10" removable lead wire and wall mount clips.



RF = Radio Frequency; Radio Frequency can operate virtually anywhere in the home up to 65 feet; does not require the controller to be aimed at the motor for the blind/shade to operate.

Motorization Controls and Power Sources

Infrared motorization is available with Roller and Solar Shades.

INFRARED MOTOR (IR) MOTORIZATION	
<p>12 Volt Motor Infrared Controlled. Includes 10" satellite eye. Powered by batteries so there is no need for electrical wiring</p>	
<p>Infrared Remote Controls</p>	
<p>Single Channel Remote (Black) with 2 AAA Alkaline batteries. This remote works with Infrared motors and requires a direct line of sight to operate shades.</p>	
<p>Eight Channel Remote (Black) with 2 AAA Alkaline batteries. This remote works with Infrared motors and requires a direct line of sight to operate shades.</p>	
<p>Radio Frequency Power Source</p>	
<p>12 Volt Reloadable Battery Wand Requires 8 AA Lithium Batteries; can order with or without batteries. Larger shades require two single battery wands connected together (Dual). Includes 10" removable lead wire and wall mount clips.</p>	
<p>12 Volt DC Plug-in Transformer Transformer is 2" wide by 2 7/8" deep by 3" long. Output: 12 volts 2 amps; white only; and 25' white power cord. Plugs directly into residential wall outlet, eliminating the need for batteries.</p>	
<p>12 Volt Sealed Battery Wand Sealed with 8 AA Lithium Batteries; Larger shades require two single battery wands connected together (dual); includes 10" removable lead wire and wall mount clips.</p>	



Graber is a brand of Springs Window Fashions, the Best Experience Company

