



Product Guide



Features

QMotion® offers state-of-the-art natural light control with the following benefits:

Several different control options

- QMotion® Shades offer the convenience of moving the shade up or down, stopping at any of the top, the bottom, three programmable intermediate stops, or anywhere in between; all with the ease of a button press.
- *Lose your remote? No problem!* QMotion® shades can be moved up or down manually with no remote control. Simply give the shade a gentle pull to get them started.
- *Interested in reducing your energy bills?* The programmable timer remote can be set up to move your QMotion® shade automatically. Automate your shades by time of day, day of week, sunrise, or sunset. Create six distinct settings and let the shades do the rest.
- *Want to control multiple shades with just one remote?* QMotion® multi-channel remote controls 6 individual shades or 6 groups of shades all with one remote control. Each channel can have an unlimited number of shades programmed to it.

Unmatched quietness

- QMotion® engineers developed a shade with whisper quiet operation for a beautiful and peaceful experience.

Distinctive designs

- Generous fabric collection of light filtering, decorative and beautiful blackout materials.

- Industry leading light gaps on the sides of the shades as small as 1/2" gap on each side, providing the most uniform and highest level of window coverage.

Unparalleled simplicity

- QMotion® automated shades are powered by a low voltage power supply, or an internal pack of standard D-cell batteries. Low voltage power can also be backed up, for uninterrupted operation.
- Our low voltage option allows shades to be powered either individually with a single transformer, as group of four, or with a power panel for supplying as many as 16 shades with power.
- Batteries can last up to five years or more, dramatically reducing maintenance cost and adding convenience. (Shade size and usage will determine actual battery life.)
 - No cords
 - No electrician
 - No wires
 - No special tools





Options

QMotion® advanced shade solutions allow for a customized experience.

The look you want

- QMotion® shades offer *several choices of fascia* to conceal the top of the roller shade. Choices include a painted fascia and a fabric wrapped fascia.

The design you need

- Shades come in *either standard roll or reverse roll*. Standard roll shades have the fabric rolling off the back of the roll, close to the window, while reverse roll shades come off the front of the shade roll, and are further from the window glass. Reverse roll may be a preference for design purposes, or may be needed to permit the shade to lower clear of window obstructions.

The number you want

- Our *dual shade system* allows users to choose a combination of two shades on the same window. Often used with a light filtering fabric in the front and with a room darkening fabric closest to the glass, QMotion® dual shades are an excellent way to double treat a window in a small space.



The choice you prefer

- Transformer low voltage power supply is a wired power solution for those who want the benefits of QMotion® Automated shades with a connection to the facility electrical system. Available in a single unit, or one which can power up to four shades or in a panel solution for as many as 16 shades. Low voltage shades deliver all the benefits of QMotion® technology.
- Battery powered QMotion® Shades offer the same benefits as low voltage powered, and add in the ability to install in difficult situations as well as function in the absence of electrical supply. Because QMotion® battery powered shades use an internal battery pack, there are no visible battery packs or wires to hide or see.

Customization that's right for you

- Choose from our assortment of remote controls. Among the choices is our programmable timer control which allows for setting of times for unattended shade movement or our multichannel remote to control various shade groups from a single hand held transmitter. All transmitters fit on our magnetic wall docking stations, and may be secured in place using our wall station adapter.
- As our programming is simple, all shades arrive ready to “learn” to your remotes. A shade may be controlled by as many as 12 different transmitters.
- Combine groups and transmitters for your convenience. A channel can be for a single shade or a group of shades, and various groups can be programmed to suit the space.



Shade Information

Finally, the luxury and safety of automated shades, completely free of cords and wires, are accessible to everyone.

Order specifics

- Shades ship complete with brackets and batteries, as needed, ready to install.
- Shades may be specified standard or reverse roll.
- If desired, a 12v low voltage transformer power option may be specified.

Size limitations

- Minimum width 22^{3/8}" with batteries, 16^{1/2}" with low voltage power.
- Maximum width 120".
- Maximum height 120".
- Consult fabric tables for available fabric heights, widths and more specific size availability.

Roll size

- The standard roller shade system handles roll sizes up to 2.5" in diameter. For roll sizes larger than 2.5", a larger bracket accommodating up to 3.7" roll diameter is required.
- Extra length of material will be added to the height of the shade in order to allow the fabric to wrap around the tube when fully rolled down.

Fabric orientation and size

- All shades ship with fabric oriented in the vertical roll direction from the mill.
- If a shade in a group is railroaded, then all shades in the group will be railroaded to match.
- Railroading is available on select fabrics only.
- Seaming is available in all fabrics.
- The seam will be placed near the top of the shade unless specified otherwise. Surcharge may apply.

Side gaps

- 1/2" industry leading side gaps are uniform on each side of the shade. Fabric width will be 1" narrower than the specified bracket to bracket dimensions.

Tube and hembar size

- Tube and hembar diameters vary depending on the height and width of your shade.
- Hembars are available in painted or fabric wrapped. Paint colors are white, sand, silver, bronze and black.
- All 2.5" brackets ship with 1/2" diameter hembars.
- Shades shipped with 3.7" brackets require 3/4" diameter hembars.
- A 3/4" hembar is compatible with 2.5" brackets and may be noted as a substitution on the shade order form.





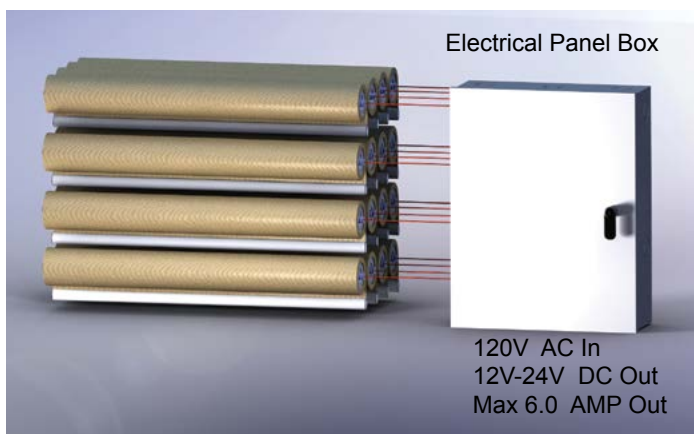
Low Voltage Transformer Information

QMotion® Low Voltage shades offer all the same features of QMotion® Battery powered shades, and are compatible with fascia as well as controls.

- Battery tube is replaced with transformer leads
- Each shade comes with a 24" wire lead.
- Tube is configured to convert low voltage into the proper level to power the shade.
- Power supply options are available to power one shade or multiple shades.
- The power supply can be at the header with the shade, on the floor near the shade or in an equipment room several hundred feet away from the shade.
- In Single Shade Option, a plug-in power supply provides 12v DC or 24 v DC to the shade.
- Low voltage single shades are controlled with the same wireless RF remote as the battery option shades.
- With the Low Voltage Multi Shade Option the power supply is designed to distribute the appropriate power to as many as four shades.
- The power distribution panel sends power individually up to sixteen shades. The panel also provides protection against short circuit or overload to individual shades.

- The system allows for shades with varying voltage requirements to work together.
- QMotion® Low Voltage shades continue to offer the unique and patented manual override system.

**All Qmotion Low voltage power systems may be attached into a customer supplied battery back up system, in the case of a site power event.*

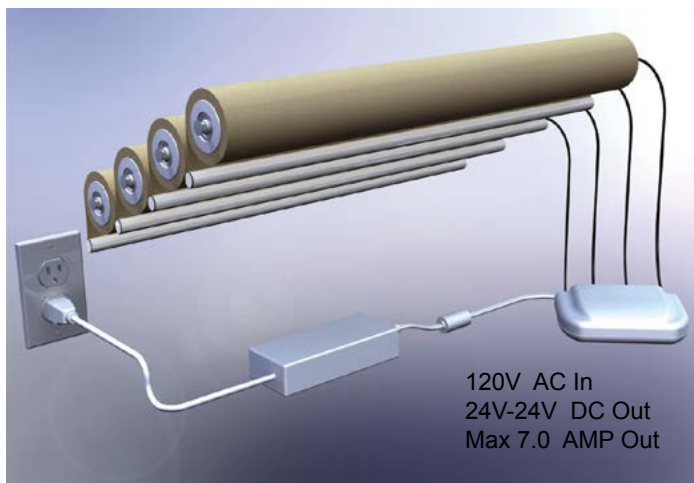


Wire Gauge Requirements

QMotion® does not supply the wires from the transformer to the shades. Recommended minimum wire gauge requirements for distances between power supply and shade or distribution box and shade are as follows for the required 2 conductor cables:

Wire Length (ft.) 12v	Min. Wire Gauge	Wire Length (ft.) 24v	Min. Wire Gauge
300-550	12	1500-3000	12
225-300	14	1200-1500	14
150-225	16	700-1200	16
100-150	18	500-700	18
0-100	20	0-500	20

****Table based on use of a 12V DC power supply.**
****Consult your local electricity provider or state regulatory agency for their guidelines regarding cable installation. Comply with all building codes, safety regulations and legal standards.**





Shades

The next generation of QMotion® Shades takes automated window shades to a higher level.

2nd Generation QMotion® Shades

The new design of QMotion® delivers a simpler, sophisticated automated shade that offers both ease of use and dependability.

Easy Battery Replacement - By placing the access port for the batteries in the shade tube wall, you can now change the batteries without having to remove the shade from the brackets. The battery life is up to 5 years, depending on shade size and usage.

Easy Fabric Removal and Installation - A snap-on spline is attached to the fabric and can be pulled off and snapped on to the shade tube. The spline that attaches the shade to the tube permits the rollershade to be easily removed for cleaning, maintaining and sanitizing OR replacement of the fabric altogether. Demounting the tubes or brackets for cleaning is unnecessary.

- Low voltage wired shades can accommodate left or right side connection.
- Longer battery life.
- Extended range and enhance responsiveness to transmitters.
 - 30 feet or more in most applications (each installation is different, and environmental factors may effect results.)
- Improved functionality with remotes.
- Advanced electronics are designed to be more responsive and durable.
- Improved programming ease.



Side Channels and Sill Rail

- Side Channel and Sill Rail now offer a better light control solution by covering the sides and bottom.
- Side Channels are 2" wide, and the fabric travels inside them with a light blocking wool pile to assist with better light control.
- Side Channels and accompanying Sill Rails come in any of the 5 standard colors. (White, Anodized, Sand, Bronze, or Black)
- Sill Rail is "L"-shaped, and can be oriented to show either 1 1/8" or 2" face toward room.
- Fits into fascia to ensure maximum room darkening.



Mounting Brackets

Elegant fabrics, clean lines and modern finishes create natural beauty for every window.

Seven styles

- There are seven different mounting brackets offered depending on application requirements:
 - 2.5 Universal 3.7 Universal
 - 2.5 Outside Mount 3.7 Pocket
 - 2.5 Pocket 3.7 Dual Shade
 - 2.5 Dual Shade



- The numerical designation represents the maximum size roll diameter the bracket can support. 2.5” brackets accommodate roll sizes from 2.0” - 2.5”. 3.7” brackets accommodate roll sizes from 2.5” - 3.7”.

Roll size guidelines

- Roll size is determined at the time an order is quoted and is dependent on material thickness, and the height of the shade. Fabric listing tables provide the maximum shade height for 2.5” brackets and 3.7” brackets depending on fabric type and width of shade.

Default brackets

- Inside mount shades ship with universal brackets.
- Outside mount shades ship with outside mount brackets.
- Pocket applications are best served with our pocket brackets. Please note bracket requests on order form.
- Dual shade applications ship with dual brackets. 3.7” universal bracket is shipped for all outside mount applications with roll diameters greater than 2.5”.
- Verify bracket dimensions in the space where the shades will be installed. If the brackets can fit, then the shade will fit, be installed and adjusted with ease.

Reverse roll brackets

- The pocket bracket is engineered to accommodate both reverse and standard roll.

Fascia compatibility

- All brackets are compatible with fascia treatments.
- 3.25” Fascia are compatible for 2.5” brackets.
- 4.5” Fascia are compatible with 2.5” and 3.7” brackets.
- CAD data in dwg and pdf format is available at www.qmotionshades.com.



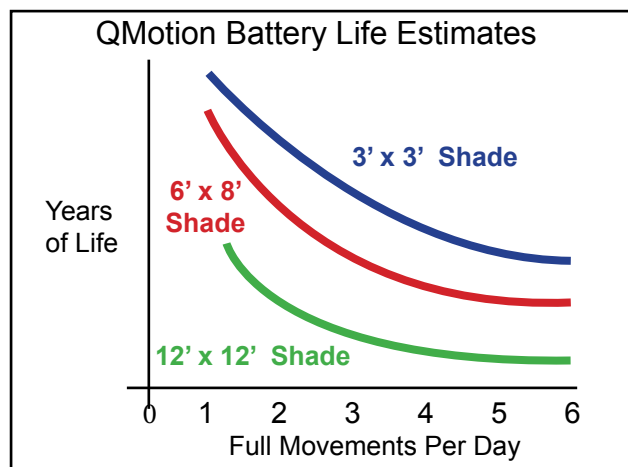
Battery Life and Range Expectations

QMotion® shades offer the longest battery life in the industry.

QMotion® Shades lead the industry in battery life

- Our shades use D size alkaline batteries, while others use AA batteries which have fraction of the capacity. D size batteries have 7 to 8 times the capacity. We have patented the technology to put the batteries inside the tube providing superior aesthetics with no power wires or antenna showing.
- While balance is important, most shades are not moving most of the day. The shade must be ready to accept a command 24/7, that means the shade must be awake and listening for your commands at all times. QMotion® shade engineers have painstakingly designed software and hardware that minimize battery usage when the shade is not being used. Our technology stretches battery life, resulting in industry leading time between battery changes.

- QMotion® uses patented techniques to manage the weight of the shade as it is lowered. Because of this, it takes very little energy to run our shades up and down, meaning very low usage of the batteries.
- Battery life is dependent on shade usage and shade size. The graph below indicates the relative battery life of different sizes of shades and different amounts of usage of each. Larger shades, when used more, will have lower battery life expectancy when compared to smaller shades used less frequently.



Distance from shade to be controlled - (2nd Generation)

QMotion® transmitters are expected to work from over 30 feet away. While your individual results will vary, and may be less in some environments, many customers have reported even better results.

The QMotion® Timer Remote is a special function device and under FCC guidelines may not transmit at the same power as others. Range for this is typically over 10 feet.

We recommend the use of a Qrelay when the transmission range of a device is not sufficient.

Transmitter	Normal (ft)
Single Channel	30
Multi Channel	30
USB Timer	10
Qconnect	50
Qrelay	30

Remember each installation is unique, height of the window, interference and other factors may effect this expectation.



Non-Motorized Shades

Simplicity, elegance, and affordability from QMotion® helps coordinate a beautiful look for automated and manual shades.



Qfree shades are identical in appearance to QMotion® Automated Shades. Each Qfree shade is designed with the same quality engineering and offers exceptional child safety through the lack of continuous cords.

- Fully adjustable upper limit
- Integrated braking system
- Fully compatible with QMotion® automated shades and brackets
- Shades over 22³/₈" wide may, at some time, be motorized in the future for a surcharge (t.b.a.)
- Minimum width of 14" wide
- Shades up to 120" wide x 120" high, check fabric charts for specific fabric capabilities.
- Easily positioned to be standard or reverse roll
- Easy fabric change
- Pull tassel available



Each Qbasic shade comes standard with a chain tensioner that meets current industry safety requirements.

Qbasic clutch type manual shade is anything but your basic shade. Qbasic delivers the styles you want that surpass similar clutch type manual shades.

- Easy pull gear reduction clutch allows for smooth and lower force operation
- Reversible fascia allows for adjustment to standard or reverse roll
- Minimum width of 7"
- Shades up to 120" wide x 144" high
- Quick roller tube release from end bracket for easy removal
- Standard hi-tensile strength plastic chains
- Stainless steel or nickel plated chain upgrade available

Qbasic Specifications

Clutch Type	QB-17	QB-28	QB-17	QB-28
Tube Diameter	1 1/2" Standard	1 1/2" Snap On Fascia	2" Standard	2" Snap On Fascia
Maximum Width	108"	108"	120"	120"
Maximum Height	144"	144"	144"	144"
Maximum lbs	17 1/2	28 1/2	17 1/2	28 1/2
Light Gap	9/16"	9/16"	9/16"	9/16"
Minimum Inside Depth	3 3/16"	3 9/16"	3 3/16"	3 9/16"
Tube Diameter	1 1/2"	1 1/2"	2"	2"
Gear Reduction	20%	30%	20%	30%
Snap On Fascia Available	No	Yes	No	Yes
Independent Fascia Available	Yes	Yes	Yes	Yes

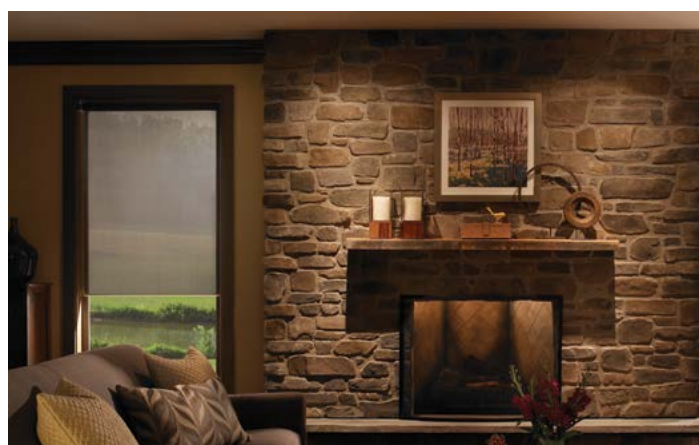


Accessories

Finishing touches for a beautiful QMotion experience.

Fascia

- Fascia is available in any of the 5 standard colors or fabric wrapped. (White, Silver, Sand, Bronze, Black)
- Fabric wrapped option covers front face and bottom face of fascia.
- All fascia includes light sealing wool pile to further assist in light blocking on the top of the shade.
- All fabric wrapped fascia ship with the same fabric and fabric color as the shade, unless otherwise requested.
- Shipping charges for fascia are included with the shade if ordered with the shade, unless there are excess size charges from the freight carrier.
- Fascia not ordered to fit individual shades will be charged additional shipping charges.



- To ensure proper fit and function, inside mount fascia are cut $\frac{1}{16}$ " less than the top window width. Outside mount fascia are cut $\frac{1}{4}$ " larger than the bracket to bracket dimensions.
- For applications when fascia depth does not meet the minimum depth requirements, please contact your customer care representative for fit and finish options.



Fascia endcap options

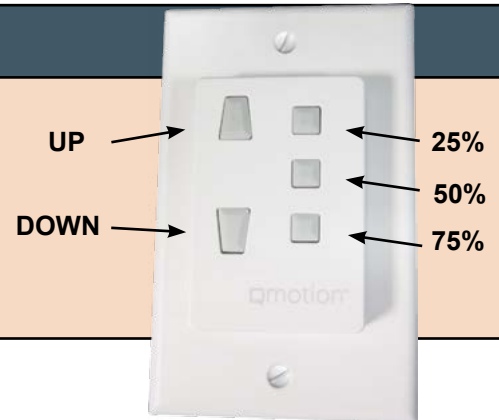
- Fascia endcaps provide a clean look to the sides of the fascia on outside mounts or when the fascia extends out from the window frame on inside mounts.
- Endcaps are color coordinated with fascia.
- All fascia orders include endcaps.
- For inside mount applications, if fascia extends beyond opening, endcaps may be cut in the field for custom fit.
- For inside mount applications, where window opening depth exceeds shade and fascia depth, no endcaps are needed.
- Endcaps extend $\frac{1}{16}$ " beyond fascia.



QMotion® Controls

QMotion® Single Channel 5 Button Remote

- 5 buttons to support up, down, 25%, 50%, 75%
- Magnetic back for simple storing to wall plates
- Controls unlimited number of shades in a group
- Normal remote range: 30 feet



QMotion® Programmable Timer Remote

- Programmed automated settings in addition to the single channel 5 button remote controls
- Low transmission power, must locate close to shades or Qrelay
- Supports as many as 6 events
- Windows PC programmable
- Time of day, days of week, sunrise/sunset settings
- Normal remote range: 10 feet



QMotion® Multichannel Remote

- Up to 6 individual or group settings
- All shades programmed to a multichannel remote are controlled together with an "ALL" button on same remote
- Supports up, down, 25%, 50%, 75% actions
- LED light feedback
- Motion activated zone indicated when remote is moved
- Normal remote range: 30 feet





QMotion® Qconnect

The Qconnect Interface is a bridge between our language and most building or home automation systems. With drivers for many popular systems, and easy programming tools, clients can easily drive QMotion® Automated shades with their new or existing control systems.

- RS-232 serial
- RS-485 serial
- Dry contact interface
- 15 channel
- 9v DC power supply or power over CAT 5
- Desk or wall mountable
- 4,000 foot wiring range
- Normal remote range: 50 feet

Qconnect is compatible with:



QMotion® Qrelay

Each installation is different, and environmental factors may have an effect on transmission. In some cases, a Qrelay may be helpful in improving signal reception. To consider in advance, if a room is over 12'x12', or a shade is 30' from where it would be controlled, the Qrelay is recommended. As these dimensions increase, the Qrelay will become increasingly helpful, and spaces significantly larger may even benefit from more than one Qrelay.

- Extends range of all QMotion remotes.
- Use as many as required in an installation (no limits)
- Powered from a wall outlet or from a powered USB port
- Two modes of operation "Zone Specific" and "Echo"
 - Zone specific mode allows individual remotes to be learned to the repeater
 - Echo mode repeats all valid Qmotion remote commands
- Normal remote range: 30 feet





QMotion® Hembar Activation

QMotion® Shades incorporate patented and unique tug features that allow the shade to open with just a short tug, or be lowered without the remote.

Tug the hembar less than 1”

- Shade opens to next highest preset position
(example: shade moves from 75% to 50%)

Tug the hembar downward between 1” - 2”

- Shade moves to full open

Tug the hembar MORE than approximately 2”

- Shade remains at position stopped until pulled or sent up with a remote

Two successive tugs MORE than approximately 2”

- Shade moves to full open



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