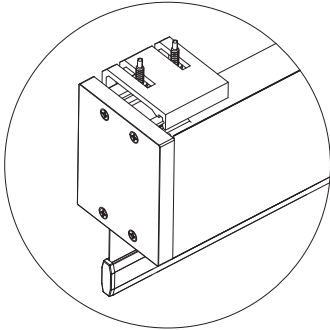


TELESHADE INSTALLATION INSTRUCTIONS



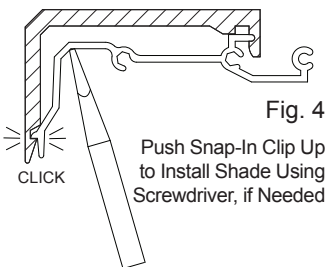
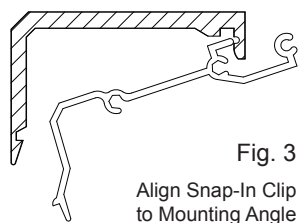
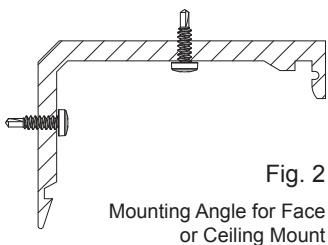
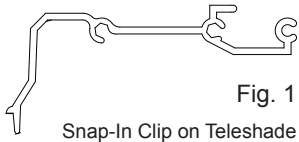
Tools Required/Recommended:

- Cable Management / Cable Tie Downs
- Measuring Tape
- Power Drill with 3/32" Bit & 1/4" Nut Driver
- Flat Head Screwdriver
- #2 Phillips Head Screwdriver
- Level
- Pencil
- Ladder

Package Contents:

- Hardwired Roller Shade
- Motor Side Bracket
- Spring Side Bracket
- End Cap x 2
- Fascia (Optional)
- Mounting Screws
- Power & Communication Panel
- Power Brick & Cord
- Wall Switch (Optional)

CAUTION – Be sure to follow all appropriate safety guidelines, including the use of safety glasses and ensure to keep the shade fabric clean by using clean gloves whenever touching it.



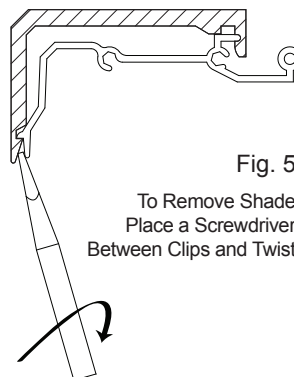
1. If mounting into drywall, use a plastic anchor to securely fasten mounting angle to mounting surface.
Note that mounting angles must be attached to at least 3/4" less than the full width of the shade so not to interfere with the plastic housings at either end of the shade.
Attach the mounting angles as shown in Fig. 2.

2. Align the inside clip on the shade with the mounting angle, as shown in Fig. 3.

3. Tilt the shade back to level position, as shown in Fig. 4 to allow the tongue on the inside clip to snap into the groove on the mounting angle.
If tongue and groove do not make an audible click to indicate connection, use a screwdriver to push up behind fabric roll onto inside of clip on shade. This will push the tongue into the groove and ensure a solid mount.

4. Once the shade is securely clipped into the mounting angles on each side, the stop bead to set the lower limit of the shade can be attached to the bead chain with a pair of pliers.
The stop bead should be set so that the bottom hembar is approximately 1/2" above the sill.

5. The shade can be taken down by inserting a flat screwdriver into the gap between the inside clip and the mounting angle and twisting, as shown in Fig 5.





CAUTION: READ AND UNDERSTAND EACH SECTION BEFORE PERFORMING REQUIRED STEPS. FAILURE TO FOLLOW PROPER PROCEDURE COULD RESULT IN DAMAGE TO THE SHADE OR PERSONAL INJURY.

QMotion products are designed for use with QMotion hardware and power supplies only. Install in compliance with all local and national building and electrical codes. Always wear personal protection equipment including safety glasses and gloves. Use a ladder per its manufacturer's instructions.

Before installing the shade into the window, verify that window hardware (latches, locks, window cranks, etc.) does **NOT** obstruct the travel path of the shade. Damage to the fabric or shade may result from repeated contact with window hardware.

FALLING HAZARD: Shades must be installed to proper support structure.

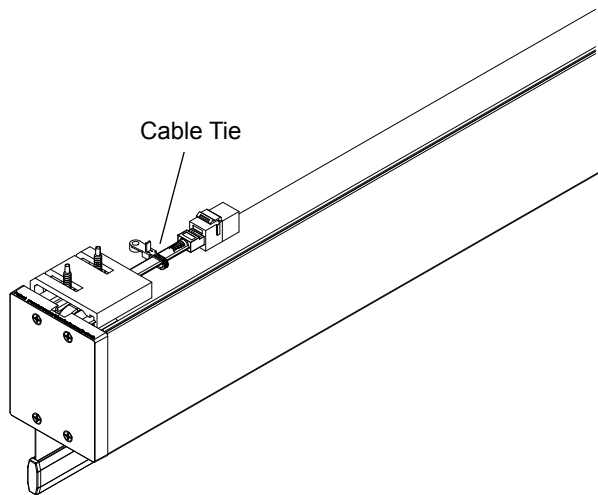
Locate the shade's mounting type on the order form (**Inside Mount, Outside Mount**).

Determine roll type (**Standard Roll, Reverse Roll**).

QIS CABLE PLACEMENT



Failure to properly orient and secure the QIS Cable may lead to damage of the shade or window enclosure. Cable should be routed atop of the shade fabric tube (see illustration below). Make sure the bracket spacing provides enough room to **prevent pinching** of the cable. **Secure the cable** using zip-ties or other cable management hardware so that the cable does not interfere with shade operation.



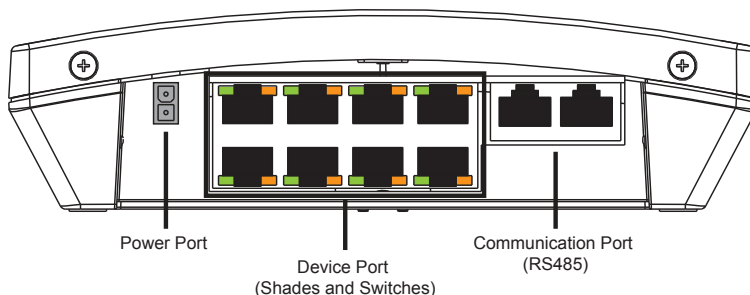
QIS POWER & COMMUNICATION PANEL SETUP



CAUTION



The Qadvanced Intelligent System (QIS) **does not** operate on “standard” Power of Ethernet (PoE) schemes. **Do not** attempt to connect the QIS to any PoE device or RJ-45 PoE port. Doing so **will damage** the system components and/or the external Ethernet or PoE device.



Use CAT5e/CAT6 wire to connect QIS shades to the Power & Communication Panel. Terminate wires using RJ-45 connectors (T568B Standard). QIS shades will Jog upon connecting power to the shade. The Amber LEDs on the Power & Communication Panel (RJ-45) ports signify “power” is active. The Green LEDs signify communication activity.

To daisy chain additional QIS Power & Communication Panels, use either or the Communication Ports (RS485) to expand the system capabilities up to 200 devices. ZigBee Ha1.2 capabilities allow up to 60 ZigBee devices on a ZigBee network.

Wire Specification:

- Category 5e/Category 6 for use with RJ-45 Connector
- 24 AWG

Maximum length of wire from Power & Communication Panel to device:

- Up to an 8' X 8' Shade with 40:1 motor - 1250'
- 8' X 8' to 12' X 12' Shade with 73:1 motor - 750'

Maximum length of wire for Hardwired 4 and 8 Button Switches:

- 1000' feet from switch to farthest power panel

Maximum wire length for RS485 communication:

- 2000' feet from source to shade

System Capacity:

- 200 Devices (QMotion Shades, QMotion Hardwired Switches)

Power & Communication Panel:

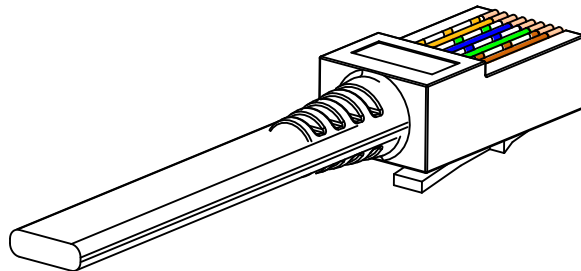
- 8 RJ-45 device ports for motorized shades and switches
- 2 additional RJ-45 communication ports dedicated to daisy chain with other

Power & Communication Panels and Third Party Integration via RS485

- Power Supply Port - AC Input: 100-240 VAC, 2.5A
- DC Output: 24 VDC, 7.5A

Wiring for Cat 5e/6 Cable

Pin	Wire Color	Signal 10/100BaseTx
1	White/Orange	A+
2	Orange	B-
3	White/Green	+24 VDC
4	Blue	+24 VDC
5	White/Blue	+24 VDC
6	Green	-24 VDC
7	White/Brown	-24 VDC
8	Brown	-24 VDC



QIS WALL SWITCH PROGRAMMING INSTRUCTIONS

First Time Setup

IMPORTANT – Read and understand each section before performing required steps. When using a Dual Channel Wall Switch, the left button column corresponds to Channel 1. The right button column corresponds to Channel 2 as shown in the diagram below.

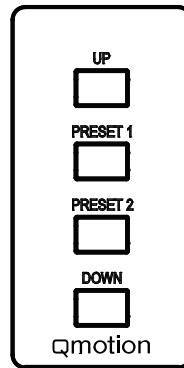
1. INSTALL SHADE following appropriate installation instructions
2. CONNECT POWER SUPPLY to Power Communication Panel
3. CONNECT SHADE to Power Communication Panel using network cable
(Shade will JOG on initial power-up)
4. CONNECT WALL SWITCH to Power Communication Panel using network cable

Pairing / Learning Wall Switch (or Channel)

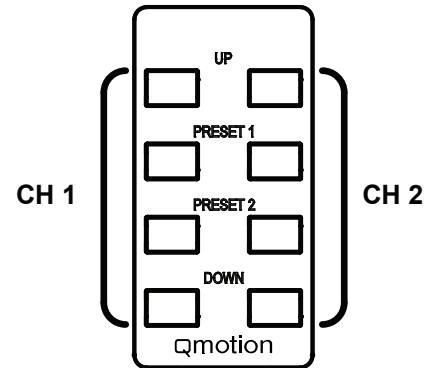
1. PRESS both UP and PRESET 1 at the same time
(Shade will JOG in response)
2. TUG the HEMBAR 6-10 inches
(Shade will JOG in response and is now paired)

Unpairing / Unlearning Wall Switch (or Channel)

1. PRESS both DOWN and PRESET 2 at the same time
(Shade will JOG in response)
2. TUG the HEMBAR 6-10 inches
(Shade will JOG in response and is now unpaired)



Single Channel Wall Switch



Dual Channel Wall Switch

IMPORTANT – When learning new positions, the button currently being programmed (after Step 3. TUG) will not send commands to the shade.

Example 1: When learning a new PRESET 1 position, pressing PRESET 1 will do nothing (after Step 3. TUG). The shade can still be adjusted using the UP and DOWN buttons.

Example 2: When learning a new upper limit position, the UP button is semi-disable. Only by pressing the UP button 3 times will the shade move to the up position (or manually roll the shade up by hand). After Step 5 all buttons resume full functionality.

Setting Upper and Lower Limits / Learning a New Position

(You must use a paired wall switch to perform this task.)

1. PRESS the (UP or DOWN) button that will be programmed (Shade will move to selected position)
2. PRESS and HOLD the same (UP or DOWN) button UNTIL shade JOGS
3. TUG shade 6-10 inches (Shade will JOG in response)
4. ADJUST shade to desired position (Use UP/DOWN buttons or manually adjust shade by hand)
5. PRESS and HOLD the same (UP or DOWN) button (Shade will JOG when learned)

Tug Command Mode

Tug Command Mode will allow certain features to be performed manually without a learned remote.

IMPORTANT – Read the following instructions completely before starting the procedure. Inputs from the user are time sensitive. If the shade times out before entering a tug command, return the shade to the Upper Limit Position and begin the procedure over.

To Enter Tug Command Mode

1. Start with the shade at the Upper Limit Position.
2. Perform two consecutive 6 inch tugs, waiting 1 second between tugs.
(Shade will JOG, then travel up, settling a few inches below the Upper Limit Position)

The shade is now in Tug Command Mode There is a **10 second** opportunity to enter a tug command before the shade will leave Tug Command Mode and resume normal operation.

3. Once the shade is in Tug Command Mode, perform additional 6 inch tugs to select a command option. After each tug, the shade will return to its starting position. Once the shade returns to its starting position, wait 1 second before performing the next tug (a brake is engaged during this 1 second wait, making the shade difficult to tug). After the tug sequence is performed (1-4 Tugs), wait 5 seconds and the shade will accept the tug command.
 - 1 Tug - Join ZigBee Network / Identify
 - 2 Tugs - Set Lower Limit Position
 - 3 Tugs - ZigBee Network Reset
 - 4 Tugs - Factory Master Reset

Join ZigBee Network / Identify

This command will allow the shade to join an open ZigBee network. If the shade is not connected to a ZigBee network, the shade will “micro-jog” while trying to find a network. Once a ZigBee network is found, the shade will seek the Upper Limit Position hardstop. If a ZigBee network is not found after 1 minute, the shade will stop “micro-jogging” and wait for further inputs. If the shade “micro-jogs” but does not find a network, make sure the ZigBee network coordinator (Qube/Range Extender) is open for devices joining the network. If the shade is already connected to a ZigBee network, the shade will continually “long jog” up and down for 2 minutes. Manual operation of the shade will not be available during this operation. Wait until the 2 minute “long jog” is complete to proceed. If the shade “Identifies” on a network, but is unable to pair to a remote, perform the ZigBee Network Reset tug command and then connect the shade to the correct ZigBee network.

Set Lower Limit

This command will allow the Lower Limit Position to be adjusted without a remote. The shade will travel to the current Lower Limit Position and then jog. Manually adjust the shade to the desired Lower Limit Position. To set this new position as the Lower Limit Position, leave the shade to idle for 1 minute. After the 1 minute has passed, the shade will jog to confirm the new Lower Limit Position.

Zigbee Network Reset

This command will remove the shade from its current ZigBee network. This command will also delete any groups/scenes that are stored on the shade. Tugging the shade after a ZigBee Network Reset will cause the shade to “micro-jog” and search for an open ZigBee network.

Factory Master Reset

This command will perform a ZigBee Network Reset as well as restore the Upper & Lower Limits Positions and Intermediate Set-points to their default values. Tugging the shade after a Factory Master Reset will cause the shade to “micro-jog” and search for an open ZigBee network.

FCC

Warning: Changes or modifications to this device not expressly approved by QMotion® could void the user’s authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

INDUSTRY CANADA

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Conformément à la réglementation d’Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d’un type et d’un gain maximal (ou inférieur) approuvé pour l’émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l’intention des autres utilisateurs, il faut choisir le type d’antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l’intensité nécessaire à l’établissement d’une communication satisfaisante.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d’Industrie Canada applicables aux appareils radio exempts de licence. L’exploitation est autorisée aux deux conditions suivantes: (1) l’appareil ne doit pas produire de brouillage, et (2) l’utilisateur de l’appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d’en compromettre le fonctionnement.

QdR REMOTE

Model: QZR-ZIG2400
FCC ID: 2ABLX-ZIG24DECO
IC: 8832A-ZIG24DECO

ROLLER SHADE

Model: QMRS-240Z
FCC ID: 2ABLX-240Z
IC: 8832A-240Z

European Representative

Doug Fiske
Contact for QMotion
Raritan Europe B.V.
Jan van Galenstraat 59
3115 JG Schiedam
The Netherlands



For more information visit us at qmotionshades.com or call 877.849.6070

© 2017 QMotion. QMotion is a trademark. All rights reserved.