Qmotion®

ZigBee Pro Honeycomb Automated Shade Operation Manual

Revision A

12/29/2015

TO OUR CUSTOMER

It is our mission to bring you a high quality product that fits our high standards for innovation, beauty and simplicity. To do so we have released our Second Generation QMotion® Automated Roller Shade to bring you a great shade experience. This design has many features that you may or may not have noticed that will make your shade more reliable and ready for our future development plans.

If this is your first time purchasing QMotion® shades, we invite you to view our first time setup document located at the web address below:

http://qmotionshades.com/support.php

QMotion® Customer Service

Contact us Monday-Friday   8:00a.m. – 6:00p.m. (U.S. Central Time)
1-877-849-6070

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ZigBee Coordinator / Router Programming Instructions

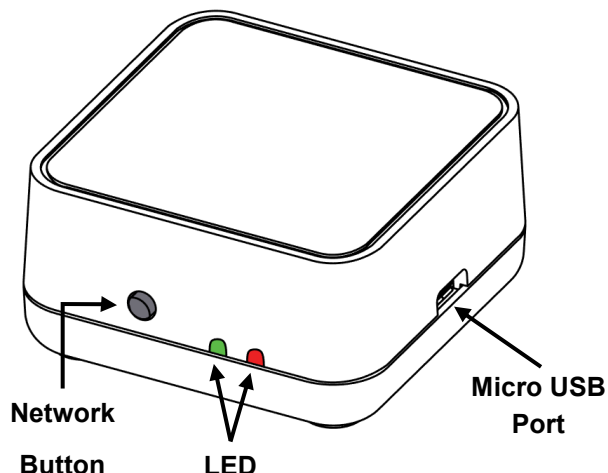**READ AND UNDERSTAND EACH SECTION BEFORE PERFORMING REQUIRED STEPS**
Refer to appropriate user manual whenever a **QMotion Coordinator/Router** is **NOT USED** to establish the coordinator network. Instructions for allowing Routers and End Devices to join the coordinator network will vary by manufacturer.

CREAT A NEW NETWORK (Coordinator)
1. **POWER** the **COORDINATOR/ROUTER** by connecting the power supply using the **MICRO USB** cable provided
2. **PRESS** and **HOLD** the **NETWORK** button until the **GREEN LED** illuminates (**GREEN LED** illumination indicates the network is active)

This first device that establishes the network is designated as the **NETWORK COORDINATOR**

JOIN AN EXISTING NETWORK (Router)
1. **PRESS** the **NETWORK** button on the **NETWORK COORDINATOR** or any **ROUTER** already connected to the coordinator network
   (**RED LED** will pulsate on all coordinator/routers present on the coordinator network when open to joining)
2. **PRESS** the **NETWORK** button on the **ROUTER** that will join the coordinator network
   (**GREEN LED** will illuminate when connected to the coordinator network)

LEAVE A NETWORK (Router)
1. **PRESS** the **NETWORK** button on the **ROUTER** three **(3)** times quickly
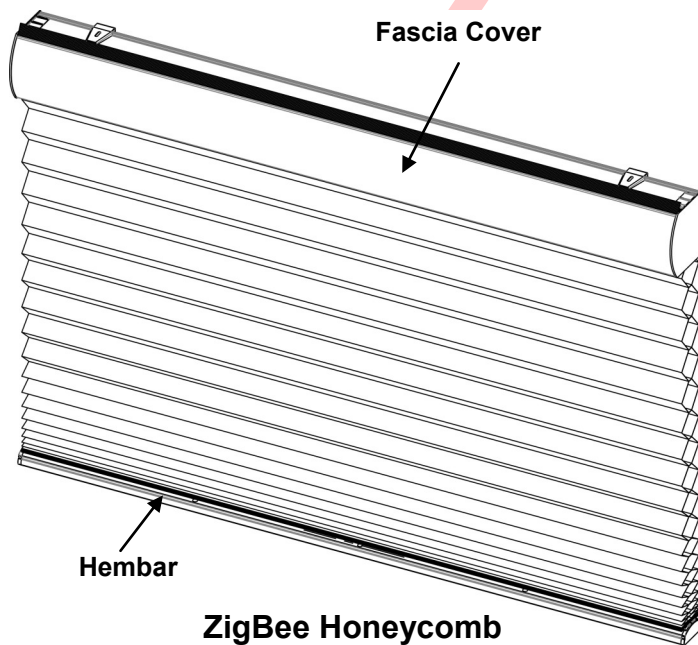   (**GREEN LED** will turn **OFF** when not connected to a network)

Network

Button   **LED**

Micro USB Port

QMotion ZigBee Coordinator/Router

ZigBee Honeycomb Programming Instructions

JOIN A NETWORK (Honeycomb Shade)
1. **REMOVE** the **FASCIA** cover to expose the battery holder
2. **PULL** the **BATTERY TAB** or **POWER CYCLE** the shade (See **POWER CYCLE** section)
3. **TUG** the shade hembar 10-20 inches (Shade will **JOG** in response)

The shade is now joined to the coordinator network.

The **GREEN LED** on networked devices will **FLASH** for **1** second when a new device joins the coordinator network

Fascia Cover

Hembar

ZigBee Honeycomb Shade

4

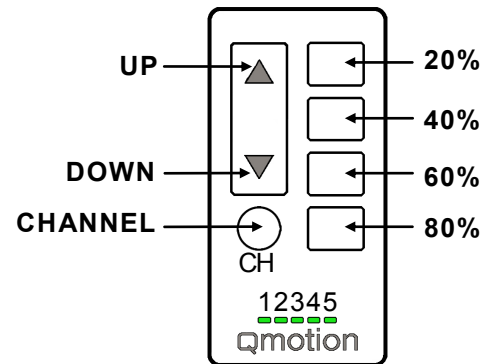# ZigBee Remote Programming Instructions

⚠️ IMPORTANT ⚠️

READ AND UNDERSTAND EACH SECTION BEFORE PERFORMING REQUIRED STEPS

Most programming instructions start with the shade in the upper limit position. If a remote is paired to the shade, pushing the **UP** button will send the shade to the Upper Limit Position. If no remote is paired to the shade, remove the Honeycomb fascia, slide out the motor and battery holder and push the shade up manually. Replace the motor and fascia. **JOG** is a short up then down shade movement.

FIRST TIME SETUP

1. **INSTALL SHADE** following appropriate installation instructions
2. Remove battery enclosure cover and pull the plastic battery tab
3. On power-up the shade automatically enters **PAIRING / LEARN MODE**
4. Use a paperclip to **PRESS** the **PROGRAM** button on back of the remote
   (The channel LEDs will scroll back and forth when in program mode)
5. **PRESS** and **HOLD** the **UP** button until Shade moves downward
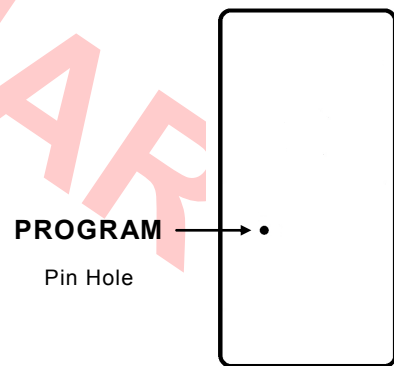
PAIRING / LEARNING NEW REMOTES (or Channel)
(Must start using paired remote with shade at Upper Limit Position)
STEPS 1- 3 use paired remote
1. Use a paperclip to **PRESS** the **PROGRAM** button on back of the remote
   (The channel LEDs will scroll back and forth when in program mode)
2. **PRESS** and **HOLD** the **UP** button until Shade moves downward
3. **TUG** the shade **6-10 inches** (Shade will **JOG** in response)
STEPS 4- 6 use unpaired remote
4. **PRESS** the **CHANNEL** button until desired Channel is lit by **GREEN LED**
5. Use a paperclip to **PRESS** the **PROGRAM** button on back of the remote
   (The channel LEDs will scroll back and forth when in program mode)
6. **PRESS** the **UP** button (Shade will move to Upper Limit Position in response)

Front

UP — ▲ — 20%
— 40%
DOWN — ▼ — 60%
CHANNEL — CH — 80%

12345

Qmotion

PROGRAM — •

Pin Hole

Back

⚠️ IMPORTANT ⚠️

Lower Limit Position must be set prior to using the **PERCENT** positions **(20%, 40%, 60%, 80%)**. These positions are calculated based on the Lower Limit Position of the shade.

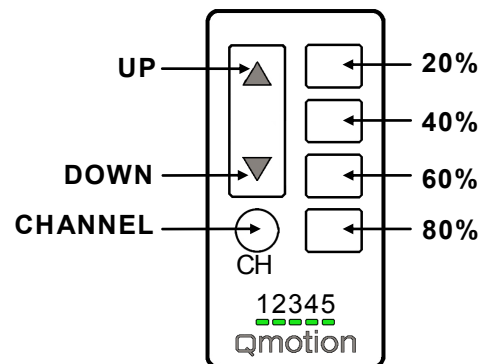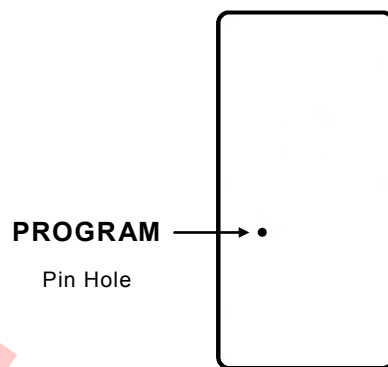### SETTING UPPER AND LOWER LIMITS / LEARNING A NEW POSITION
1. **PRESS** the **(UP, DOWN,** or **PERCENT)** button that will be programmed (Shade will move to selected position)
2. **PRESS** and **HOLD** the same **(UP, DOWN,** or **PERCENT)** button until shade **JOGS**
3. **TUG** shade **6-10 inches** (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, DOWN,** or **PERCENT)** button (Shade will **JOG** when learned)

READ AND UNDERSTAND EACH PROGRAMMING SECTION BEFORE PERFORMING REQUIRED STEPS

DELETE / UNLEARN A REMOTE (or Channel)
(Shade at Upper Limit Position)
1. Use a paperclip to **PRESS** the **PROGRAM** button on back of the remote
   (The channel LEDs will scroll back and forth when in program mode)
2. **PRESS** and **HOLD** the **UP** button until Shade moves downward
3. **TUG** the shade **6-10 inches** (Shade will **JOG** in response)
4. **PRESS** the **CHANNEL** button until desired Channel is lit by **GREEN LED**
5. Use a paperclip to **PRESS** the **PROGRAM** button on back of the remote
   (The channel LEDs will scroll back and forth when in program mode)
6. **PRESS** the **DOWN** button
   (Shade will **JOG**, move to Upper Limit Position, and then **JOG** again)

UP — ▲   — **20%**
                — **40%**
DOWN — ▼   — **60%**
CHANNEL — ⊙ CH — **80%**

12345
Qmotion

Front

SPECIAL LEARN COMMAND
(Must use an unpaired remote with shade at Upper Limit Position)
1. Use a paperclip to **PRESS** the **PROGRAM** button on the back of the remote
   (The channel LEDs will scroll back and forth when in program mode)
2. **PRESS** and **HOLD** the **CHANNEL** button until the shade moves
3. **TUG** the shade **6-10 inches** (The shade will **JOG** in response)
4. Use a paperclip to **PRESS** the **PROGRAM** button on the back of the remote
   (The channel LEDs will scroll back and forth when in program mode)
5. **PRESS** the **UP** button
   (The shade will travel to the Upper Limit Position to confirm learn command)

PROGRAM — •
Pin Hole

Back

BATTERY CHANGE / POWER CYCLE
1. **REMOVE** the **FASCIA** cover to expose the battery holder
2. **REPLACE** batteries with a new set of fresh D-Cell Alkaline batteries
3. **POWER CYCLE** is performed by removing a single battery, and then tugging the shade 5 inches
4. **INSERT** batteries and **REPLACE FASCIA** cover

FACTORY (MASTER) RESET (Will remove **ALL** paired remotes, **EXCEPT** remote and channel used during reset)
(Shade at Upper Limit Position)
1. Use a paperclip to **PRESS** the **PROGRAM** button on back of the remote
   (The channel LEDs will scroll back and forth when in program mode)
2. **PRESS** and **HOLD** the **DOWN** button until shade moves downward
3. **TUG** the shade **6-10 inches** (Shade will **JOG** in response)
4. Use a paperclip to **PRESS** the **PROGRAM** button on back of the remote
   (The channel LEDs will scroll back and forth when in program mode)
6. **PRESS** the **UP** button (Shade will move to Upper Limit Position in response)

Glossary

Fascia

The removable covering that hides the internal shade components and battery holder.

Long Tug

Tug shade hembar more than 2 inches. A long tug will cause the shade to stay at the position it was tugged to. Two long tugs done within 10 seconds of each other will send the shade to the upper limit position.

Micro Tug

Tug shade hembar up to 1 inch. A micro tug will send the shade to the next highest position

Short Tug

Tug shade hembar 1 to 2 inches. A short tug will send the shade to the upper limit position

Hardstop

A hardstop is the mechanical means by which the shade identifies the maximum upper limit.

ZigBee Coordinator

The coordinator establishes the network, and there is exactly one per network. (Cannot be battery powered)

ZigBee End Device

End Devices cover a wide range of products including QMotion Battery Operated Shades. These devices do not relay data, but consume less power allowing for battery operation.

ZigBee Router

Routers act as intermediate nodes within the network, relaying data between devices. Routers also act as ranger extenders to the network. (Cannot be battery powered)

Revision History

Revision A - 12/29/15