

iblinds

Installation Guide



SAFETY INFORMATION

WARNING

Read all warnings and instructions prior to installing the device. Failure to follow these instructions may result in property damage or serious personal injury.

Before installation, check that this product is compatible with the associate equipment and accessories.

Do not use the device for anything other than its intended use. Any use outside the sphere of application specified by HAB Home Intelligence is not approved. Such use, or any failure to comply with the instructions given herein will invalidate the warranty and HAB Home Intelligence refuses to accept liability.

CAUTION

- To avoid damaging the product never immerse it in liquid, avoid impacts, never drill holes in it and do not drop it.
- Existing metal blinds may have sharp edges. Use gloves to prevent cuts or abrasions when removing and reinstalling blinds.
- To prevent cable damage or abrasion, do not expose cables to edges of sheet metal or other sharp objects.

FCC Statement

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.

The minimum separation generally be used is at least 20 cm.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

IBLINDS KIT CHECKLIST



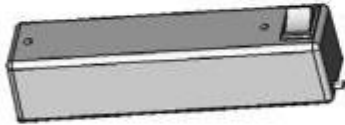
IBlind motor



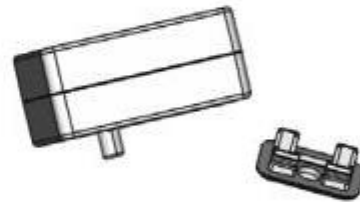
Height Adapter



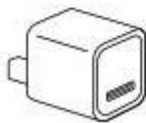
Tilt Shaft



Battery



Charge Adapter and Clip



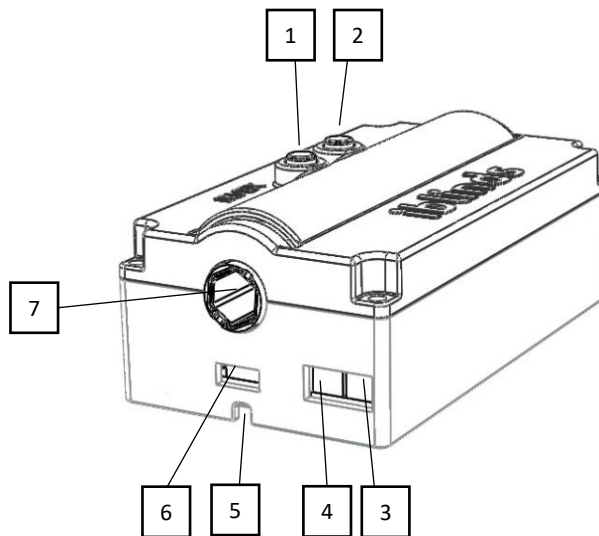
USB Adapter



USB Charging Power Cable

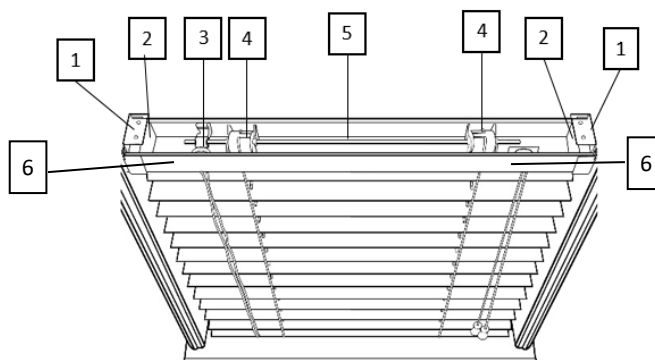


Hex Wrench



iblinds Motor

1.	Z-Wave Include / Exclude Button
2.	Calibration Reset Button
3.	Battery Connector
4.	Solar Connector
5.	String Pass-Through Channel
6.	Micro USB Connector
7.	iblinds Motor Tilt Shaft



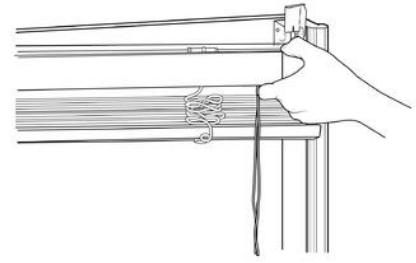
Window Blind Components

1.	Window Blind Mounting Bracket
2.	End Cap
3.	Tilting Mechanism
4.	Tilt Drum
5.	Tilt Rod
6.	Headrail

Installation

1. Remove Blind from Window:

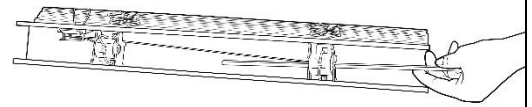
Tilt the blind slats to the fully open position and then raise the window blind. Remove any window blind valances and remove the blind from the window mounting brackets.



2. Remove the Tilt Rod

With your window blind on a flat surface, note the orientation of the tilt drums in the headrail. **You want to make sure the tilt drums all have the same orientation when the tilt rod is reinserted.** Carefully remove the tilt rod.

Note: Many blinds will have end caps and a rubber gasket to keep the rod from sliding. These must first be removed before the tilt rod can be removed.

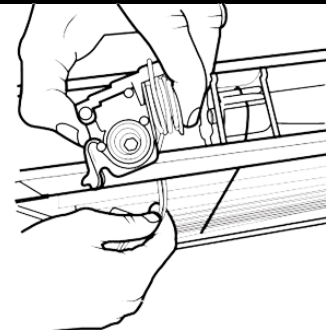


3. Remove Tilt Mechanism

Locate your tilting mechanism (String or Twist Rod).

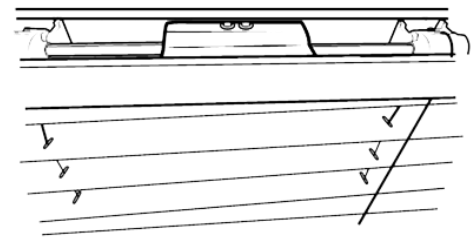
String: Remove any tassels first. Then remove the tilt mechanism.
Twist Rod: Remove the twist rod first. Then remove the tilt mechanism.

Note: Removing the tilt mechanism disables your ability to control your blinds manually.



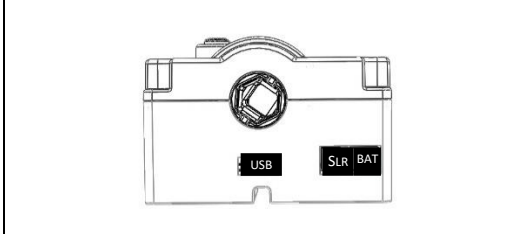
4. Determine iBlinds Motor Location

The motor should be installed near the center of the headrail. Make a note of where the iBlinds motor will be installed. All wires will be run to this area.



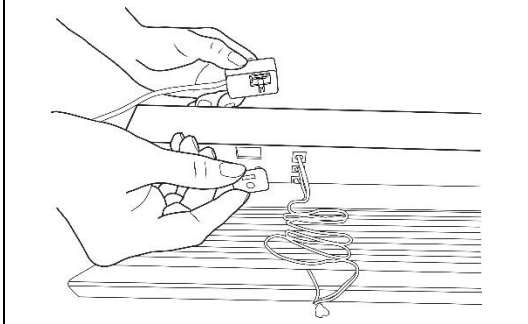
5. Choose Power Option

The iblinds device has 2 Power charging options. Select the option that best suits you and follow the instructions below.

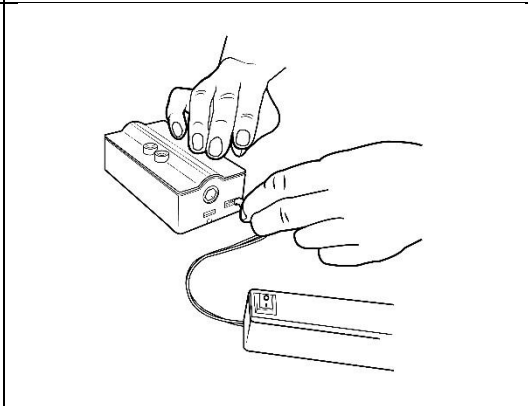


[Option 1. Rechargeable Battery with Charge Adapter]

A. Install the Charge Adapter
The Charge Adapter is installed where the tilt mechanism is removed from. Align the Charge Adapter so the bottom opening of the Charge Adapter sits over the slot where the tilt mechanism was removed from. From the bottom of the headrail, use the included clip to attach the Charge Adapter to the headrail. Connect the Charge Adapter cable to the iblinds motor.

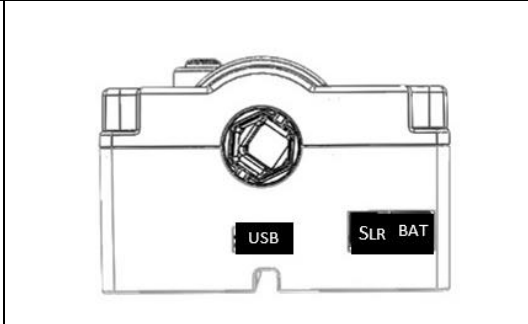


B. Attach the Battery
Locate the battery and make sure it is in the off position. Attach the battery cable to the iblinds motor. Place the battery in an empty space in the headrail. Remember to save room for the iblinds motor as close to the center of the window blind headrail as possible.
Note: Make sure you select the correct connector on the iblinds motor.



[Option 2. Rechargeable Battery with Solar Panel *]

A. First Follow Steps A and B in Option 1
B. Attach Solar Panel (sold separately*)
Locate the solar panel and attach the solar panel cable to the iblinds motor.
Note: Make sure you select the correct connector port on the iblinds motor.

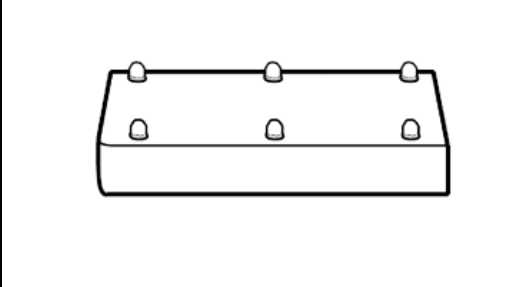


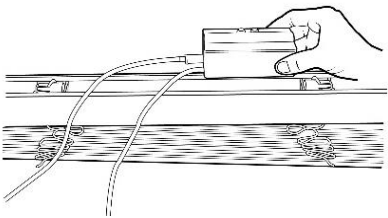
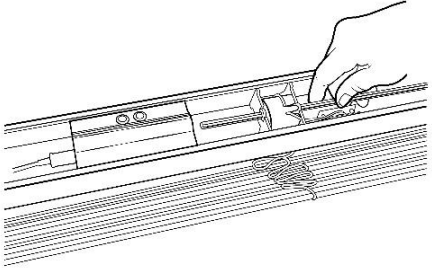

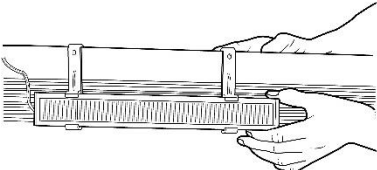
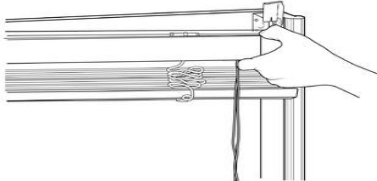
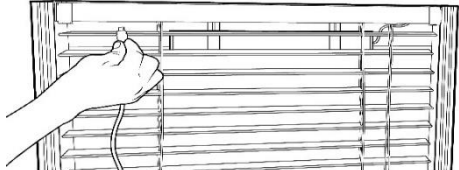
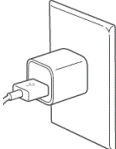
6. Prepare Motor for Installation

First determine if you will need to use the Height Adapter

Height Adapter

The iblinds motor will work with high-profile and low-profile window blind headrails. If you have a high-profile headrail, attach the Height Adapter to the bottom of the iblinds motor. To determine what type of headrail profile you have, measure the height of the headrail.
High-Profile Headrail Height = 2 inches
Low-Profile Headrail Height = 1.5 inches



<p>7. Install the Iblinds Motor</p> <p>Once all connections to the Iblinds motor have been made, and the proper adapters have been installed, place the Iblinds motor in the headrail. The motor should be as close to the center of the window blind headrail as possible.</p>	
<p>8. Reinsert the Tilt Rod</p> <p>Make sure the tilt drums are all in the same orientation that they were in during step 2, before the tilt rod was removed. Carefully insert the tilt rod. Take care to align the tilt rod so it will slide through the adapter (if used) and the Iblinds motor.</p> <p>Note: You may need to rotate the twist rod slightly to have it slide through the adapter (if used) and the Iblinds motor.</p>	
<p>9. Route Cables</p> <p>Carefully place all the excess cables in the headrail. Take care to route the cables where they will not interfere with the tilt rod or any of the moving mechanisms in the headrail.</p>	
<p>10. Window Blind Installation</p>	
<p>1. Attach Solar Panel (if using the solar panel option) Lock solar panel into clear clips and use hooks to hang onto headrail. Plug into the solar charging port SLR.</p>	
<p>2. Mount Window Blind Carefully place the window blinds back in the headrail mounting brackets and lower the window blind. Make sure all cables are tucked away in the headrail and are not interfering the movement of any moving parts of the headrail.</p>	
<p>Charging Battery using the Charge Adapter, USB Cable and USB Adapter</p>	
<p>1. Attach USB Cable to Headrail Charge Adapter Attach the Micro USB end of the supplied USB Cable into the Charge Adapter of the headrail. Leave connected for at least 8 hours.</p> <p>NOTE: USB is used for <u>charging</u> only.</p>	
<p>2. Attach USB and Plug in Power Adapter Attach the other end of the USB cable into the USB power adapter and plug the power adapter into the wall outlet.</p>	

Z-Wave Compatibility

The iBlinds device can be operated in any Z-Wave network, with other Z-Wave certified devices from other manufacturers. All non-battery-operated nodes within the network will act as repeaters regardless of vendor to increase reliability of the network.

Z-Wave Association Group

The iBlinds product grouping identifier is 1 and maximum number of devices that can be added to the group is 5. When the battery level of the device becomes low, the iBlinds device sends notification to the controller.

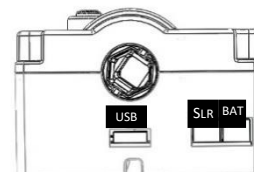
Z-Wave Network Add for Inclusion

Before returning the window blinds to the window, the iBlinds device must be joined to a Z-Wave network.

1. Power the iBlinds Device.

Follow step 5 **Power Options** above to make sure the power connection is correct.

Note: If you are using Option A: Rechargeable Battery with Charge Adapter or Option B: Rechargeable Battery with Solar Panel move the switch located on the battery to the on position



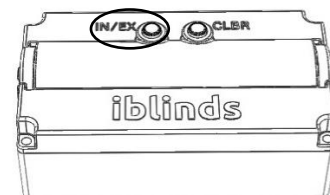
2. Z-Wave Add for Inclusion

Follow the directions for your Z-Wave hub/controller to place it in the add for inclusion mode.

Press the inclusion button once and wait for the device to be discovered and joined to the Z-Wave network. Follow the directions for your Z-Wave controller to uniquely identify your device. (Ex: Bedroom iBlinds)

Note: If the device is not joined to the network, press the CLBR button. Wait 1 second and repeat steps 1 and 2 again.

If you continue to have trouble joining the motor to the Z-Wave network follow the Z-Wave network exclusion process later in this guide.



Z-Wave Network Remove for Exclusion

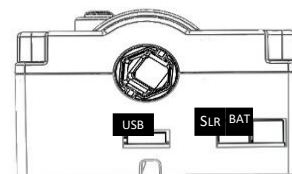
1. Remove the window blind from the headrail.



2. Power the iBlinds device.

Follow step 5. **Choose Power Option** to make sure the power connection is correct.

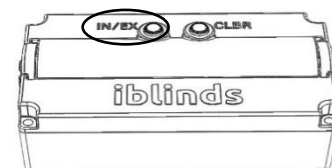
Note: If you are using Option A: Rechargeable Battery with Charge Adapter or Option B: Rechargeable Battery with Solar Panel, move the switch located on the battery to the on Position.



3. Z-Wave Remove for Exclusion

Follow the directions for your Z-Wave device to place it in the exclusion mode.

Press the exclude button once and wait for the device to be removed from the Z-Wave network.



Operation

Control

Use your Control Device and control your 3rd Party Z-wave Controller to change the tilt angle of the blinds. (Follow your Z-Wave Controller specific instructions for operating your user control device)

iblinds motor will tilt the blinds to any angle between 0-99

0 = Closed Down

50 = Fully Open

99 = Closed Up

The User Control Device can be a Cell Phone, Tablet, Remote, Computer or Voice Control using a digital assistant.

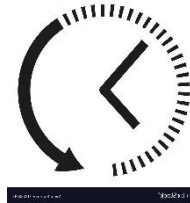
NOTE: Device will auto calibrate upon first use to find tilting end points. The device will cycle open and closed several times while finding the end points.



Schedule

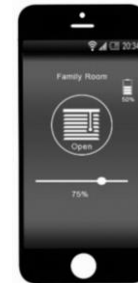
Follow your 3rd party Z-Wave Controller guide to schedule open and close times for your window blinds using iblinds motor.

Example: Set your blinds to open at sunrise and close at sunset.



Status information

Some Z-Wave Controllers support receiving battery level window blind position level information from the iblinds Device. Follow your 3rd Party Z-Wave Controller to receive this information.



Troubleshooting

Symptom	Cause	Solution
iblinds Unresponsive	Power -Battery	Plug battery into proper port
		Turn battery power switch on
	Power - Test	Connect 5V Power to USB Port
		Check 5V Power Source
System malfunction	Hold Pass Through Charger push button for 10 seconds to reset the device	
Z-Wave Hub/Controller	Check Controller	
Z-Wave Include Problems	Distance	Move within 5 feet of the Z-Wave Controller
	Associated with a previous network	Exclude device first then Include
	System malfunction	Set Z-Wave controller in Include Mode. Press CLBR to reset device then a second later include by pressing the INC/EXC button.
	Power	Refer to power solutions above.
	Pass Through Charger not connected	Connect Pass through adapter
Z-Wave Exclude Problems	Distance	Move within 5 feet of the Z-Wave Controller
	System malfunction	Set Z-Wave controller in Include Mode. Press CLBR to reset device then a second later include by pressing the INC/EXC button.
	Power	Refer to power solutions above.
	Pass Through Charger not connected	Connect Pass through adapter
Solar not Keeping Battery Charged	Not enough sun light	Reposition Solar Panel or use USB Charger and Cable to charge the battery
Short Battery Life	Excessive polling	Check Z-Wave Controller Reduce iblinds Z-Wave polling to once a day
	Excessive Usage	Reduce usage to twice a day
	Defective Battery	Replace Battery – Contact support@myiblinds.com

For additional questions and support contact support@myiblinds.com

Limited Warranty

HAB Home Intelligence offers a limited one-year warranty on the hardware components of its kit. If a defect in the hardware, or any component thereof, appears at any time during the first year after purchase, HAB Home Intelligence will repair or replace (at its option) the kit or the defective component at no cost to you beyond the cost of shipping the defective item to us.

Who Makes This Warranty

This warranty is made by HAB Home Intelligence, LLC.

Who Is Covered

This warranty extends only to the original purchaser of the product. This warranty is intended for natural persons only and does not extend to any corporation, limited liability company, or commercial entity.

What Is Covered

The limited one-year warranty on hardware covers manufacturing defects and includes parts, labor, and the cost of shipping the repaired (or replacement) product from HAB Home Intelligence to you. The warranty does not cover installation of repaired or replacement items. If we send replacement parts, we may use new or reconditioned parts. If we send a replacement motor box, we may use a new or reconditioned motor.

Where and How to Obtain Warranty Service

You can obtain warranty service from HAB Home Intelligence at the address indicated below. It is your responsibility to deliver or ship the defective product to us at your expense, together with a copy of your receipt showing date of purchase and a description of the claimed defect, prior to the expiration of the warranty period. To obtain information regarding this warranty, you may contact us by mail, e-mail.

HAB Home Intelligence, LLC
PO Box 151881
Arlington, TX 76015
support@myiblinds.com

Exceptions and Exclusions

This warranty does not include damage or defects resulting from misuse, accident, failure to maintain, or any other causes following your purchase of the product.

Use of the kit with any other system or components (including affixing non-HAB Home Intelligence attachments or accessories) voids this warranty. Failure to follow the user's manual in installation or use of the system voids the warranty. Unauthorized repair or modification voids the warranty.

The system is intended for personal home use. HAB Home Intelligence does not warrant its system for commercial use, and any such use voids the warranty.

TO THE GREATEST EXTENT PERMITTED BY LAW, THIS WARRANTY IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES NOT EXPRESSLY SET FORTH HEREIN, WHETHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Limitation of Liability

THE SOLE REMEDIES AFFORDED UNDER THIS WARRANTY ARE REPAIR, REPLACEMENT, OR, IF REPAIR OR REPLACEMENT IS NOT COMMERCIALY PRACTICABLE OR CANNOT BE TIMELY MADE, A REFUND OF THE PURCHASE PRICE. IN NO EVENT SHALL THE LIABILITY OF HAB HOME INTELLIGENCE RELATED TO ANY PRODUCT EXCEED THE PURCHASE PRICE OF THE PRODUCT.

YOUR USE OF HAB HOME INTELLIGENCE PRODUCTS IS AT YOUR SOLE RISK. HAB HOME INTELLIGENCE SHALL NOT BE LIABLE UNDER ANY CIRCUMSTANCES FOR CONSEQUENTIAL, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGES ARISING FROM OR IN CONNECTION WITH THE USE OF ANY HAB HOME INTELLIGENCE PRODUCT. (SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.)

Other Legal Rights

This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.