

iblinds

Installation Guide



iblinds are compatible with 2-inch blinds between 18" and 72" wide with a minimum space of 5" between barrels, or 8" between barrels if the headrail has only two barrels. Iblinds is not compatible with cordless lift blinds.

SAFETY INFORMATION

WARNING

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

Do not use the iblinds 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

Existing metal blinds may have sharp edges. Use gloves to prevent cuts or abrasions when removing and reinstalling blinds.

CAUTION

To prevent cable damage or abrasion, do not expose cables to edges of sheet metal or other sharp objects.

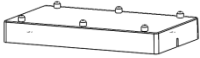
FCC STATEMENT: This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

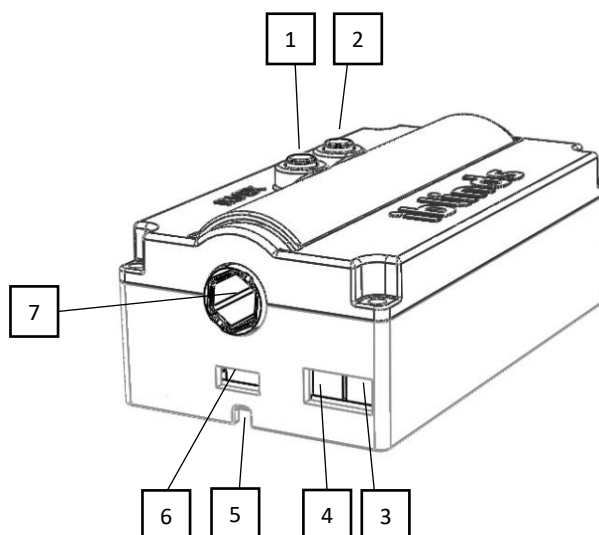
1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications not expressly approved by the party responsible for compliance 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

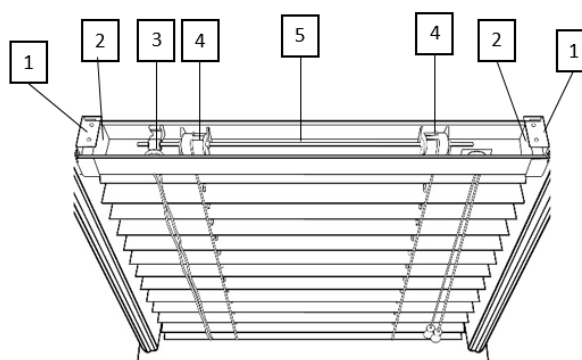
iblinds Kit Check List

	iblind motor
	Height Adapter
	Tilt Rod Adapter
	Battery
	Power Connector (Charge Pass-through Adapter) and Clip
	USB Adapter
	USB Charging/Power Cable



iblind 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.	iblind Motor Tilt Shaft



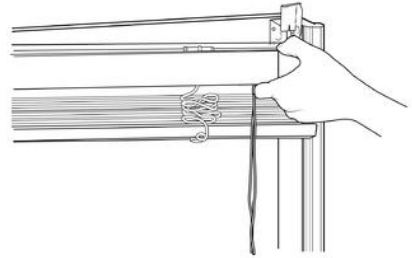
Window Blind Componets

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

Installation

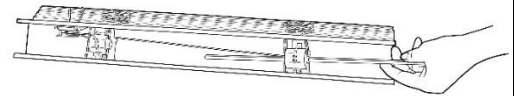
1. Remove blind from Window:

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



2. Remove the tilt

With your Window blind on a flat surface, Note the orientation of the tilt drums in the head rail, you will want to make sure they 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 be removed first before the tilt rod can be removed.

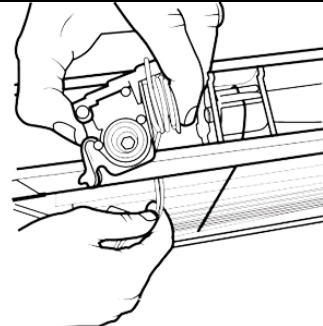


3. Remove Tilt Mechanism

Locate your tilting mechanism (String or Twist Rod).

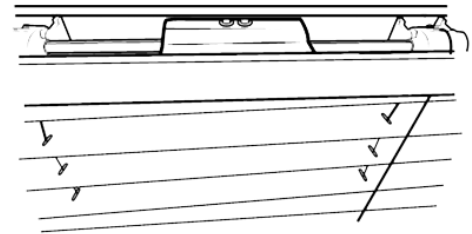
String: Remove any Tassels first and then remove the tilt mechanism

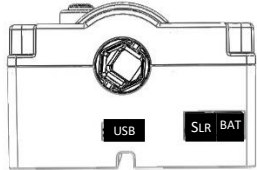
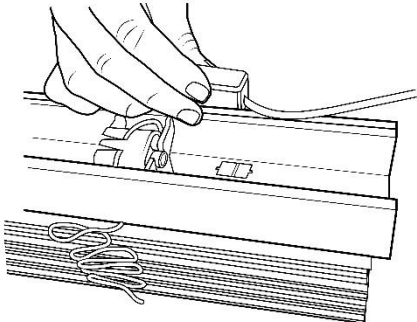
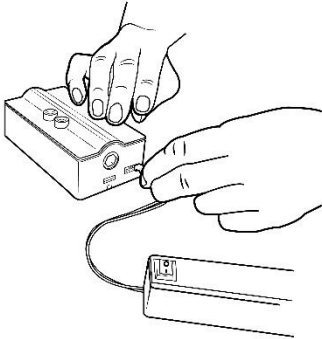
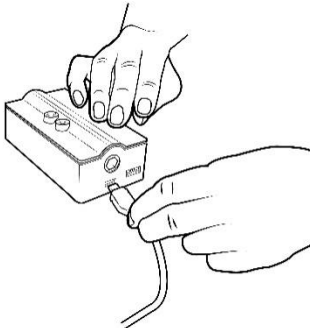
Twist Rod: remove the twist rod first and then remove the tilt mechanism

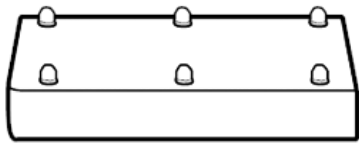
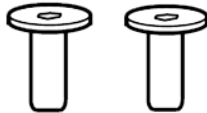
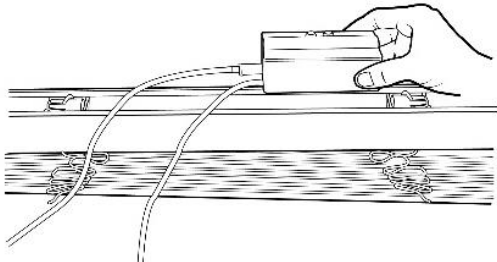
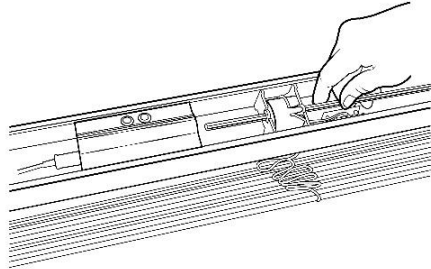


4. Determine where the iblind motor will be installed

The iblind motor should be installed near the center of the head rail. Make a mental note of where the iblind motor will be installed all of our wires will be run to this area.



5. Choose Power Option <i>Iblinds has 3 Power options, select the option that best suits you and follow the instructions.</i>	
[Option 1. Rechargeable battery with Power Connector]	
A. Install the Power Connector The Power Connector is installed where the tilt mechanism is removed from. Align the power connector so the hole will sit over the slot where the tilt mechanism was removed from. Then use the included clip to attach the power connector to the head rail. Connect the power connector cable to the iBlind Motor.	
B. Attach the Battery Locate the battery and make sure it is in the off position. Attach the battery cable to the iBlind motor. Note: Make sure you select the correct connector on the iBlind motor. Place the battery in an empty space in the head rail. Remember to save room for the iBlind motor as close to the center of the window blind head rail as possible.	
[Option 2. Direct Power via USB]	
A. Use the supplied Connect USB Power Cable to the Micro USB port on the iBlind motor.	
[Option 3. Rechargeable Battery with Solar Panel *]	
A. First Follow Steps A and B in Option B. Attach Solar Panel - sold separately* Locate the solar panel and attach the solar panel cable to the iBlind motor. Note: Make sure you select the correct connector on the iBlind motor.	(Picture of plugging in solar Panel in proper port)

6. Select Required Adapters	
Determine if you will need to use the height adapter and/or a tilt rod adapter.	
Height Adapter	
The iBlinds motor will work with high profile and low profile window blind head rails. If you have a high profile head rail attach the height adapter to the bottom of the iBlind motor.	 (Picture and measurements of high profile and low profile headrail, show heights in inches)
Tilt Rod Adapter	
The iBlinds motor will work with square tilt rods and hex tilt rods. To determine if you need to use a tilt rod adapter, try sliding each adapter on the tilt rod. If one fits you have what you need. If neither tilt rod adapter fits then an adapter is not required. The tilt rod will fit directly into the iBlind motor. If an adapter is required, place it in the side of the iBlind motor where you will install the tilt rod from.	
7. Install the iBlind motor	
After all connections to the iBlind motor have been made and the proper adapters have been selected and installed, place the iBlind motor in the head rail. The iBlind motor should be as close to the center of the window blind head rail as possible.	
8. Insert the tilt rod.	
Make sure the tilt drums are in the same orientation that they were in 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 iBlind motor. Note: you may be required to rotate the twist rod slightly to have it slide through the adapter (if used) and the iBlind motor.	
9. Route Cables	
Carefully place all of 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. Use the supplied tie wraps to secure the excess cable.	

Z-Wave Functionality

Z-Wave Compatibility

The iBlind 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 iBlind product grouping identifier is 1 and maximum number of devices that can be added to the group is 5. When battery of the device is lower than specific threshold, the iBlind device sends notification to the controller.

Z-Wave Network Add for Inclusion

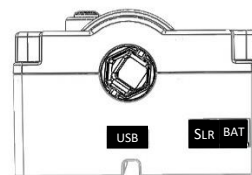
Before returning the window blinds to the window, the iBlind device must be joined to a Z-Wave network. Installing

1. Power the iBlind device.

Follow step 5 **Power Options** above to make sure the iBlinds power connects are correct.

Note: If you are using Option A: Rechargeable battery with Power Connector or Option B: Rechargeable Battery with Solar Panel move the switch located on the battery to the on Position

Note: If you are using Option C: Direct Power via USB (5V) temporarily plug the end of the USB cable into the supplied USB power adapter.



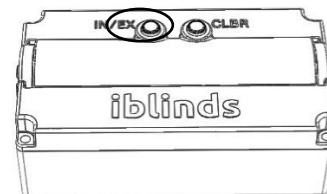
2. Z-Wave Add for Inclusion

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 of your Z-Wave controller to uniquely identify your iBlinds device. (Ex: Bedroom iBlind)

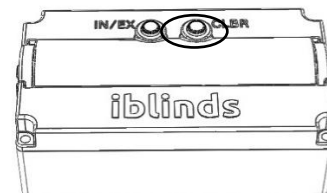
Note: If the device is not joined to the network. Press the CLBR button Wait 1 minutes and repeat steps 1 and 2 again. If you continue to have trouble joining the iBlinds motor to the Z-Wave network follow the Z-Wave network Exclusion process below.

Note: Pressing the Include Button 3 times in 5 seconds performs a local device reset.

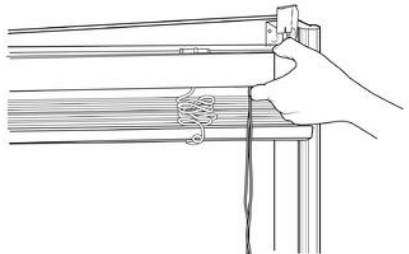
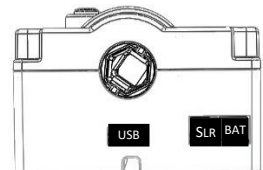
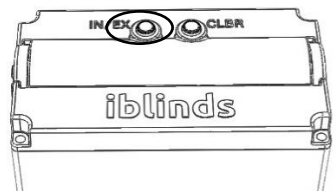


3. Place the device in Auto Calibration Mode

Follow Auto Calibration Mode steps below.



Z-Wave Network Remove for Exclusion

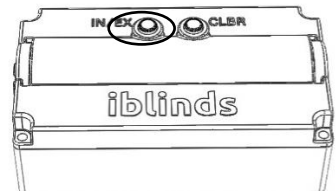
1. Remove the window blind from the head rail.	
2. Power the iblind device. Follow step 5 Power Options above to make sure the iblinds power connects are correct. <i>Note: If you are using Option A: Rechargeable battery with Power Connector or Option B: Rechargeable Battery with Solar Panel move the switch located on the battery to the on Position</i> <i>Note: If you are using Option C: Direct Power via USB (5V) temporarily plug the end of the USB cable into the supplied USB power adapter.</i>	
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.	

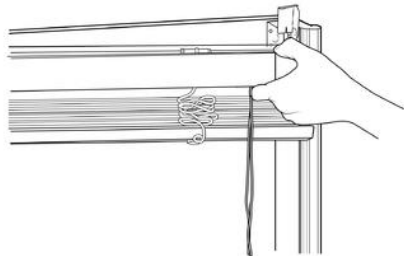
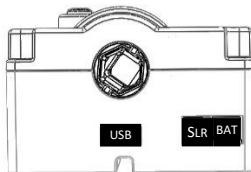
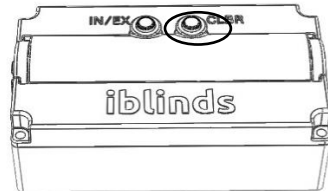
Functions

Device Reset

The Device Reset Locally function is used to reset the device to factory default. The reset operation resets protocol data (HomeID, NodeID) as well as all application specific data to factory default values.

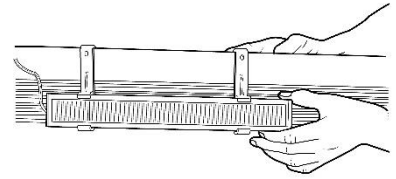
NOTE: Please only use this function when the primary controller is missing or inoperable!

1. Press the INC / EXC button 3 Press the INC / EXC button 3 times within 5 seconds to enable the device reset function. 2. Wait 30 Seconds Press CLBR button After device is reset wait 30 seconds and press the CLBR button to reboot the device and make it ready for Z-Wave Inclusion.	
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Auto Calibration Mode	
1. Remove Existing Window Ensure the window blind is removed from the mounting brackets and on a flat surface.	
2. Power the iBlind device. Follow step 5 Power Options above to make sure the iblinds power connects are correct. <i>Note: If you are using Option A: Rechargeable battery with Power Connector or Option B: Rechargeable Battery with Solar Panel move the switch located on the battery to the on Position</i> <i>Note: If you are using Option C: Direct Power via USB (5V) temporarily plug the end of the USB cable into the supplied USB power adapter.</i>	
3. Press the calibration reset button Press the calibration reset button 1 time to place the device in auto calibration mode.	
If the device is in auto calibration mode it will auto calibrate (find the max down and max up position) when the first position command is received from the Z-Wave Controller. Example: iblind device installed, window blind installed and device in Auto calibrate mode. Using your Z-Wave Controller app, select the iblind device. Move the value slider to the 50% (or turn the device ON). The window blind will tilt down to find the Max closed position, and then tilt up to find the Max closed up position. The device will cycle through tilting down and up again to verify the Max Endpoints then the device will then move to the 50% / Open Position.	

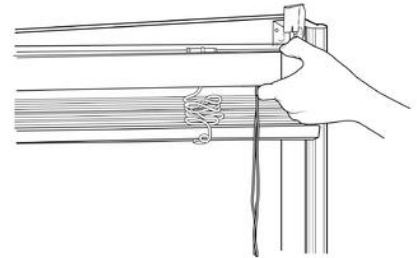
Window Blind Installation

1. Attach Solar Panel*(if using the solar panel option)*



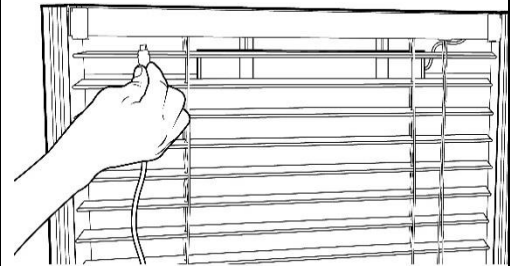
2. Mount Window Blind

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 head rail and are not interfering the movement of any moving parts of the head rail.



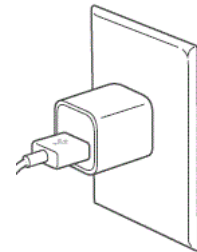
Charging the battery using the Power Connector, USB Cable and USB Adapter

1. Attach USB Cable to headrail power connector Attach the Micro USB end of the supplied USB Cable in to the power connector of the headrail.



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.



Limited Warranty

HAB Home Intelligence offers a limited one-year warranty on the hardware components of its iblinds 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@habhomeintel.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 iblinds 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 iblinds system voids the warranty. Unauthorized repair or modification voids the warranty.

The iblinds 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.