



MySmartBlinds™

AUTOMATION KIT

User's Manual

mysmartblinds.com/installation

QUICK START

1. Download the MySmart-Blinds app to your smart device from the App Store or Google Play.



2. Visit www.mysmartblinds.com/installation or www.youtube.com/c/mysmartblinds to access installation and troubleshooting videos.



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SAFETY INFORMATION



WARNING

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



CAUTION

Do not use the MySmartBlinds automation kit for anything other than its intended use. Any usage of any part of this kit outside of its intended purpose is not covered by the warranty.



CAUTION

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



CAUTION

Route cables away from sharp edges and moving parts.



CAUTION

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

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

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.

RF WARNING STATEMENT:

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

ABOUT MYSMARTBLINDS

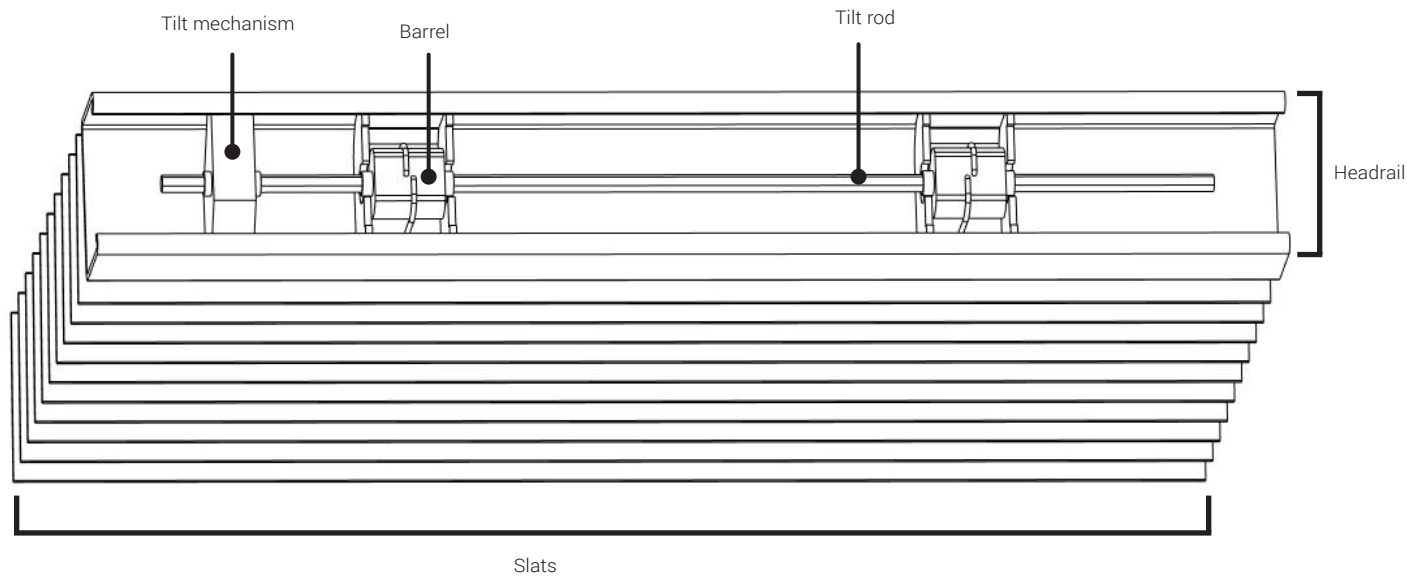
MySmartBlinds is a retrofit blinds-automation kit that uses Bluetooth technology to control tilting in your existing blinds.

MySmartBlinds fits inside 2-inch horizontal blinds* and is compatible with Apple devices running iOS 7 or later (iPhone 4s or newer, iPad 3rd generation or newer, iPod touch 5th generation or newer, and Apple Watch) and Android devices with Bluetooth L.E. support operating OS 4.3 or later.

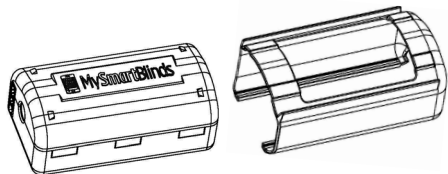
Visit mysmartblinds.com/installation for a PDF version of this manual.

**Compatible with 2-inch blinds between 20" and 72" wide with a minimum space of 5" between barrels, or 9" between barrels if the headrail has only two barrels (see Figures 1 and 2 on page 35). Not compatible with cordless lift blinds.*

BLINDS IDENTIFIER



PARTS IDENTIFIER

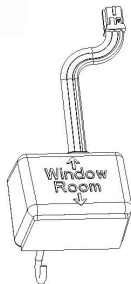


Motor box (A)

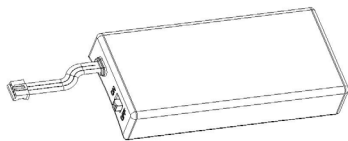
Motor box bracket (B)



Manual switch C-clip (C)



Manual switch (D)



Battery pack (E)



Rod adapters (F)



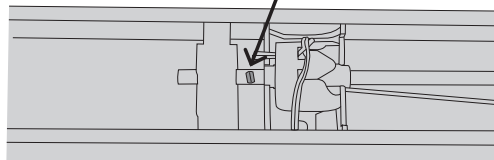
Cable clips (G) 4x



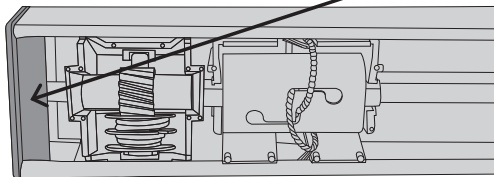
Rubber tubing (H)

ROD RETENTION TYPES

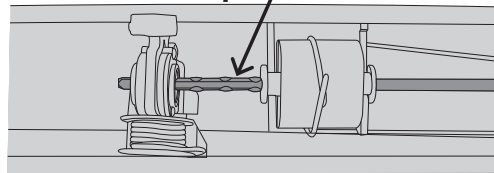
Version A: Rod pin



Version B: End brackets



Version C: Crimps



INSTALLATION

1 Removing Existing Blinds

1. Pull your blind's cord to raise the slats.
2. Carefully remove any valances or trim placed over your blinds (Fig. 1.1).

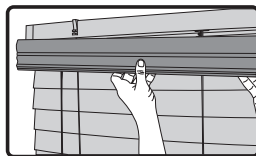


Fig. 1.1

3. If your blinds use a tilt wand, remove the wand by sliding it out from the hook, and set aside (Fig. 1.2).

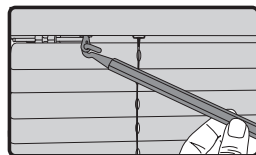


Fig. 1.2

4. Unclip the brackets at the ends of the headrail (Fig. 1.3), and pull the headrail out from the brackets.

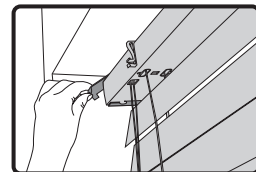


Fig. 1.3

5. To remove the tilt rod and tilt mechanism, identify the type of retention

device on your rod, according to the images on page 10:

Version A—Rod pin:

Remove the pin from the rod (Fig. 1.4), and slide the rod out of the headrail (or, if your headrail is exceptionally long, slide the rod as far as is necessary to install the MySmartBlinds hardware) (Fig. 1.5). Bend the headrail slightly away from the tilt mechanism, and remove the mechanism from the headrail (Fig. 1.6).

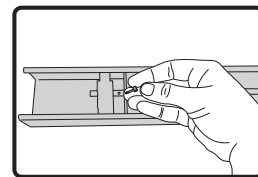


Fig. 1.4

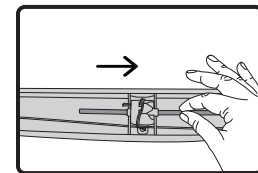


Fig. 1.5

Version B—End brackets:

Remove the brackets from the ends of the headrail, and slide out the tilt rod (Fig. 1.5). Bend the headrail slightly away from the tilt mechanism, and remove the mechanism from the headrail (Fig. 1.6).

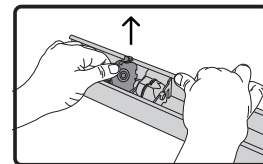


Fig. 1.6

Version C—Crimps:

Bend the headrail gently away from the tilt mechanism, and remove the tilt mechanism, sliding it off the end of the tilt rod (Fig. 1.7). Slide the tilt rod out from the barrels, removing it from the headrail (Fig. 1.5).

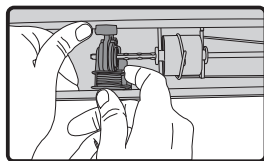


Fig. 1.7

6. If your blinds use strings to tilt the slats, you may need to remove the tassels on the ends of the strings in order to remove the tilt mechanism. Untie the knot inside of the tassels, slide the tassels off of the string, and set the tassels aside.

2 Installing MySmartBlinds Hardware

1. Remove the manual switch C-clip (**C**) from the bottom of the manual switch (**D**) by pressing down on the clip's center and sliding it out.

Remove the adhesive film from the manual switch, and insert the manual switch through the hole previously occupied by the tilt mechanism, making sure the switch is properly oriented (Fig. 2.1).

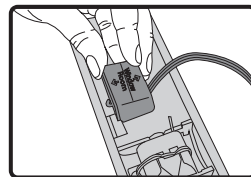


Fig. 2.1

2. Pull the hook down through the hole so that the switch lies flat against the bottom surface of the headrail (Fig. 2.2), and press the exposed adhesive against the front of the headrail.

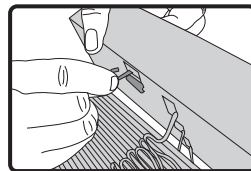


Fig. 2.2

3. Lay the blind on its side, and position the C-clip (**C**) beneath the manual switch (**D**). Press down on

the center of the C-clip to flatten it, and slide the clip underneath the manual switch until the clip locks in place (Fig. 2.3).

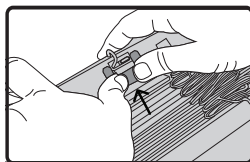


Fig. 2.3

! NOTE

HARDWARE PLACEMENT: For the following installation instructions, refer to Figures 2.4 and 2.5 to determine the best hardware placement and installation method for your set of blinds. Spread out the hardware as much as your headrail will allow in order to avoid kinking the cables.



Fig. 2.4

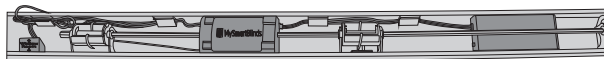


Fig. 2.5

4. Lay the battery pack **(E)** inside the headrail so that the cable is on the top left side (Fig. 2.6). If your headrail has more than two barrels, place the battery two bays away from the manual switch **(D)**.

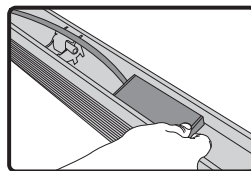


Fig. 2.6

5. Connect the battery pack **(E)** cable to the white connector on the motor box's **(A)** right side (Fig 2.7).
6. Connect the manual switch **(D)** cable to the gray connector on the motor box's left side (Fig. 2.8).

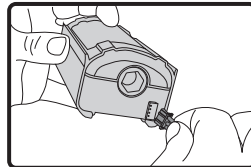


Fig. 2.7

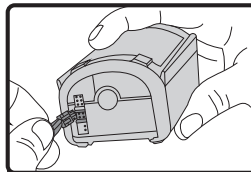


Fig. 2.8

7. If you are installing a MySmartBlinds solar panel (sold separately), connect the solar panel cable to the black connector on the motor box's left side (Fig. 2.9).

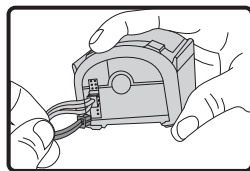


Fig. 2.9

8. Pry open the headrail gently, using your thumb to push against the back edge of the headrail and your other fingers to push against the front edge. With the other hand, insert the motor box **(A)**, with the motor box bracket **(B)** attached, into the headrail (Fig. 2.10). If your motor box and motor box bracket do not fit inside the headrail using this method, try the following:

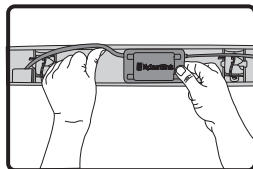


Fig. 2.10

- a. Remove the motor box bracket **(B)** from the motor box. Bend open the headrail gently, and insert the bracket into the headrail. Insert the motor box to the right of the bracket into the headrail, and slide the

motor box into the bracket until it locks in place (Fig. 2.11).

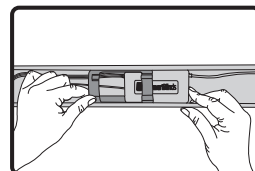


Fig. 2.11

- b. If your headrail is exceptionally shallow, you may need to install the motor box without the motor bracket in order for the motor box to fit inside the headrail.



NOTE

MOTOR BRACKET: The motor bracket helps to both keep the motor box in place and reduce the motor's noise level. Remove the motor bracket only if the motor box will not fit inside of it in the headrail.



CAUTION

PINCHED CORDS: Ensure that the motor box does not pinch any cords from your blinds. Pinched blinds cords may prevent you from raising and lowering your blinds. Position the cords so that they aren't pinched beneath the motor box bracket's legs (Fig. 2.12a). Move the cords to either the outside edge of the motor box bracket or the middle indented plane of the motor box (Fig. 2.12b).

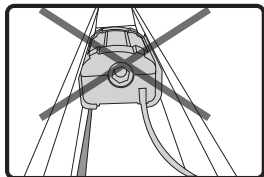


Fig. 2.12a

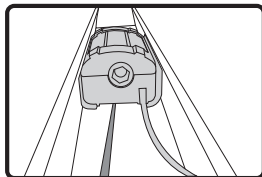


Fig. 2.12b

9. Route all cables away from the motor box. Pry the headrail gently away from the barrels, and route any nearby cables behind the barrels. Use the cable clips (**G**) to hold extra length from the cables and to protect the cables from the tilt rod and other moving parts within the headrail (Fig. 2.13).

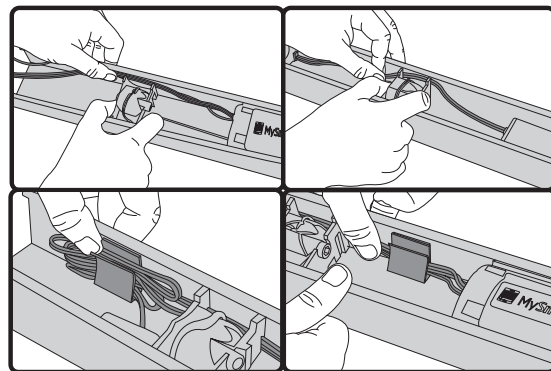


Fig. 2.13

10. Ensure that the barrels are aligned with each other, and reinsert the tilt rod until the right end of the rod is between the motor box and the barrel to the right of the motor box.
11. Select the rod adapter (**F**) that fits over your tilt rod, and slide the adapter over the end of the rod (Fig. 2.14). Ensure that the rod adapter's snaps are oriented toward the motor.

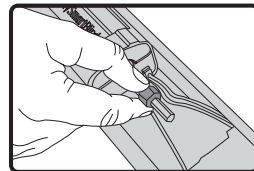


Fig. 2.14



NOTE

TILT ROD: Ensure that the rod adapter can easily slide over the entire tilt rod. Check for burrs or deformities along the tilt rod, and, if necessary, remove them with sand paper or a file.

12. Push the rod adapter into the motor box until it clicks in place (Fig. 2.15).

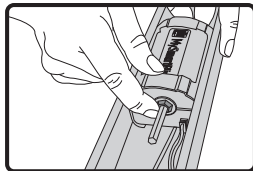


Fig. 2.15

13. Continue to slide the rod through the rest of the barrels, and place the rubber tubing (H) over both ends of the rod (Fig. 2.16).

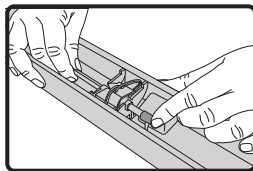


Fig. 2.16

14. Turn the battery pack (E) switch to the **ON** position.



CAUTION

BARRELS ALIGNED: Make sure the barrels remain aligned with each other while reinserting the tilt rod (see Fig. 3 on page 36).



NOTE

SOLAR PANEL: To finish installing the solar panel, follow the instructions included with the solar panel.

15. Rehang the blinds by sliding them back into the brackets and clipping the brackets closed.

16. If your blinds use a tilt wand, reconnect the tilt wand to the hook on the bottom of the manual switch (D).

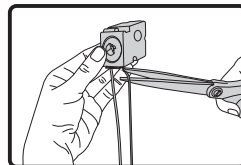


Fig. 2.17



CAUTION

STRING CUTTING: By cutting the string from your tilt mechanism, you will not be able to reinstall your original tilt mechanism. If you plan on replacing the original tilt mechanism at a later time, simply use another piece of string for Step 17.

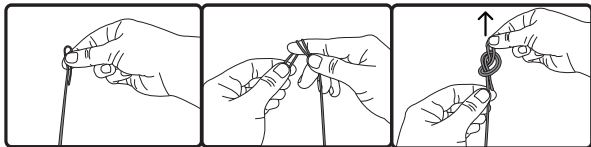


Fig. 2.18

17. If your blinds use tilt cords, cut one string from the tilt mechanism (Fig. 2.17), and tie a small over-hand loop knot (Fig. 2.18). Slide the loop through the hook on the bottom of the manual switch (Fig. 2.19). Reattach your cord's tassel to the end of the string.

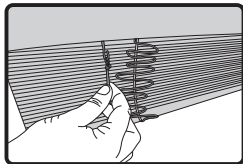


Fig. 2.19

18. If applicable, replace the valance or trim over your headrail.

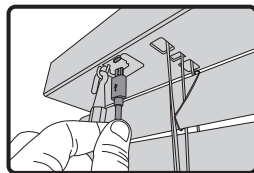


Fig. 2.20



NOTE

CHARGING YOUR BLINDS: If you are not installing a solar panel, your MySmartBlinds battery pack will need to be charged periodically. Connect the MySmartBlinds charging cable (sold separately) to the micro USB port on the bottom of the manual switch (Fig 2.20).



NOTE

KIT INSTALLATION: We recommend installing all MySmartBlinds automation kits before beginning to pair your blinds to the app. This will make the pairing process quicker and simpler.

USING THE APP

1 Setting Up the App

1. Download the MySmartBlinds app to your smart device from either the App Store or Google Play, and open the app.
2. Select **SIGN UP**, and follow the prompts on the screen to create an account.
3. When you've completed setup, click on the confirmation link sent to your e-mail address to verify your account, and log in from the app's home page.



NOTE

HELP ICON: Tap the **HELP ICON** in the top right corner at any time for help understanding icons within the app.

2 Adding New Rooms and Blinds

1. From the home page, tap **ADD NEW ROOM**, and enter a name for your room.
2. Select **SET UP NEW BLINDS**, and follow the prompts on the screen.



NOTE

EXISTING BLINDS: If you are assigning blinds that have already been paired to the app, select **ASSIGN EXISTING**, and select the blinds you'd like to assign to your new room.

3. Enter a name for your blind, and follow the on-screen instructions for calibrating your blind.
4. When your blind has finished calibrating, tap **ADD MORE** if you would like to add more blinds to the room.
5. When you have finished adding and calibrating all blinds for the selected room, select **SET UP**

ROOM to adjust the Smart Open and Smart Close positions and to create schedules for the room. You can also adjust smart positions and add schedules at a later time from the room's main page (Fig. 6).

6. Select **FINISH**.



NOTE

CALIBRATION: If you need to recalibrate your blind, from the room main page, tap on the blind name. If the app detects paired but uncalibrated blinds, you will be prompted to calibrate the blinds.



NOTE

ROOM ASSIGNMENT: Blinds cannot be assigned to more than one room. To reassign a blind to a different room, remove the blind from its current room, and tap **ADD BLINDS** in the room you want to reassign the blind to.

7. To remove a blind from a room, tap the name of the room from the home page, tap **EDIT**, and tap the **MINUS ICON** (Fig. 2); or, swipe left on the blind name, and tap **REMOVE**.

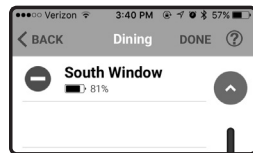


Fig. 2

3 Creating Schedules

1. From the home page, tap the name of the room that you'd like to create a schedule for.
2. Tap **SCHEDULE**, and then select **ADD EVENT**.
3. Use the slider to designate the position you'd like your blinds to move to, and select the time and days you want the event to occur (Fig. 3.1).
4. When you have completed creating your schedule, select **SAVE**.

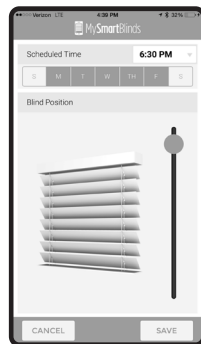


Fig. 3.1

- From the main schedule page (Fig. 3.2), tap on an event to edit its contents.
- To turn an event on or off, from the main schedule page, select the event's switch button. To access the option to delete the event, tap **EDIT** or swipe left on the event.

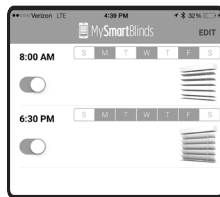


Fig. 3.2

4 Using Smart Positions

- To open all blinds connected to your device, from the home page, tap the uppermost **OPEN-BLINDS ICON**. To close all blinds connected to your device, tap the uppermost closed-blinds icon.
- To open or close all blinds in a room, from the home page, tap the icons next to the room's name.
- To edit the default Smart Open and Smart Close positions in a room, tap the room name from the home page, and then select **ROOM SETTINGS**.

- Use the sliders to adjust the smart positions (Fig. 4), and then select **SAVE**.

5 Charging the Battery

- If you are not installing a solar panel, you will need to periodically charge the battery using the MySmart-Blinds charging cable (sold separately). Plug the charging cable into an outlet, and connect the micro USB plug to the bottom of the manual switch (see Fig. 2.20 on page 25).
- In the app, your blind should show a lightning bolt next to the battery, indicating that it is charging (Fig. 5).
- If you are charging via solar panel, your blind should show a sun icon (Fig. 6).

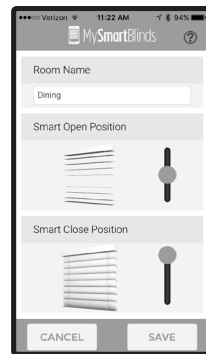


Fig. 4

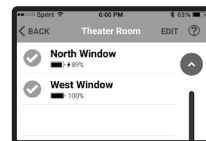


Fig. 5

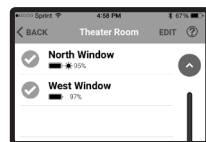


Fig. 6

5 Home Page

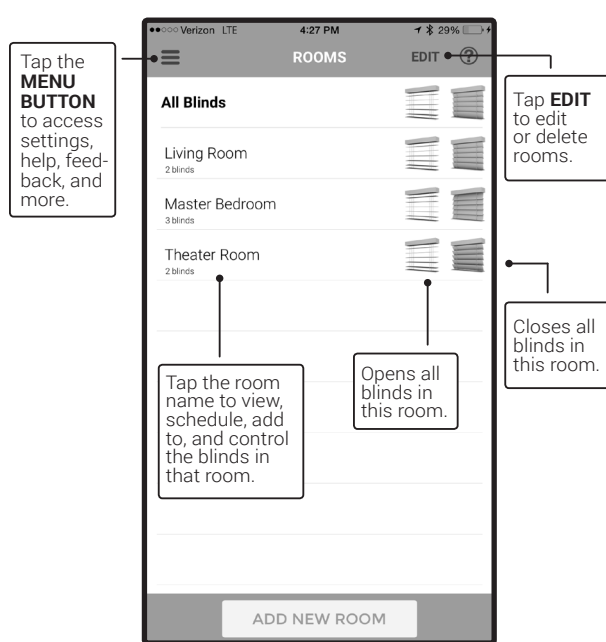


Fig. 5

6 Room Main Page

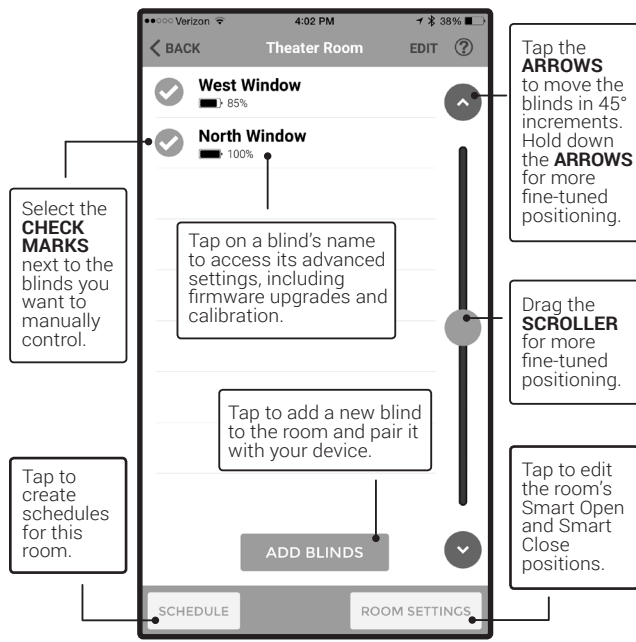


Fig. 6

7 Settings Page

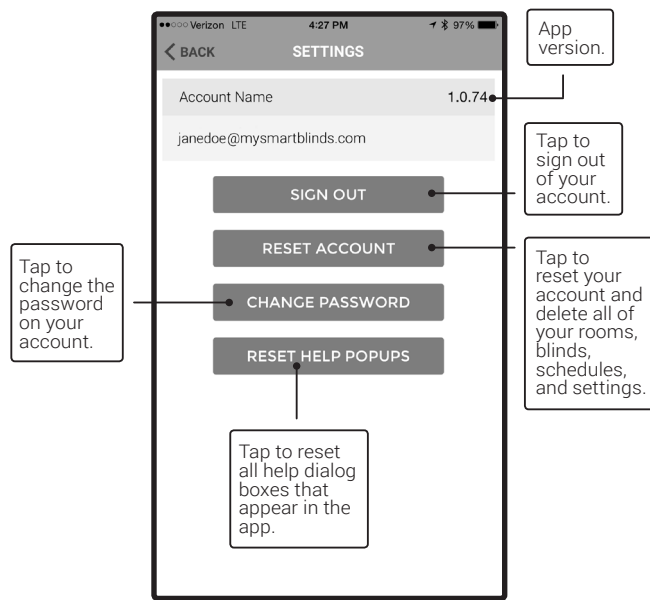


Fig. 7

TROUBLESHOOTING

I can't remove my existing blinds:

If you're having trouble opening the brackets that hold your blinds, you may need to use a scraper or screwdriver to help gently pry the brackets open or remove any excess paint keeping them shut.

The motor box doesn't fit inside my headrail:

MySmartBlinds is designed to fit inside 2-inch horizontal blinds. The space between each barrel in your headrail should measure at least 5 inches (Fig. 1), or 9 inches if you have only two barrels (Fig. 2).

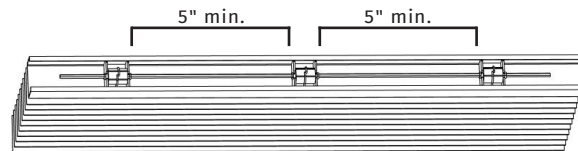


Fig. 1

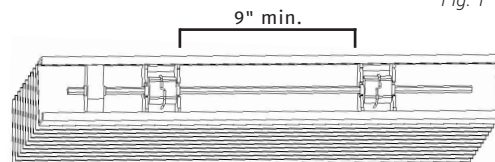


Fig. 2

However, some headrails may still be too shallow to properly fit both the motor box and motor box bracket. Try inserting the bracket separately from the motor box and sliding the motor box into the bracket (Fig. 2.11 on page 19); otherwise, you may need to insert the motor box without the bracket.

The app cannot find or connect to my installed blinds:

Turn the Bluetooth off and back on again on your device, and restart the app. Your device may also be out of range of the blind; move closer to it, ensuring you have a clear line of sight to the blind. Try turning your smart device off and back on again. Ensure that the battery is both connected to the motor box and switched to the **ON** position. Last, turn the battery to the **OFF** position and wait at least 15 seconds before switching back to the **ON** position.

My blinds won't properly calibrate:

In order for the blind slats to rotate to completely closed and completely open positions, the headrail must be free of obstructions. Ensure that the barrels in the headrail are all aligned

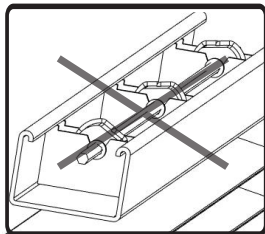


Fig. 3

with each other (Fig. 3) and that there is nothing preventing the barrels from rotating.

I can't raise and lower my blind slats anymore:

Ensure that none of the strings are stuck between or beneath hardware, as explained in the **PINCHED CORDS** Caution on page 20.

I need to pair my automation kit to a different account:

Each automation kit can only be paired to one MySmartBlinds account at a time. If you need to use a different account to operate your blinds, you'll need to perform a factory reset on your automation kit:

1. Turn the battery to the **OFF** position, then wait at least 15 seconds.
2. Pull on the manual switch, and while holding the manual switch, turn the battery to the **ON** position. As you continue pulling on the manual switch, you will see a solid green light appear in the motor box for five seconds.
3. Once the green light starts blinking, let go of the manual switch. The green light will then blink quickly to confirm that the reset was successful.
4. Last, pair and calibrate the newly reset blinds in the MySmartBlinds app.

LIMITED WARRANTY

Limited One-Year Warranty on Hardware

MySmartBlinds offers a limited one-year warranty on the hardware components of its blinds kit. If a defect in the hardware, or any component thereof, appears at any time during the first year after purchase, MySmartBlinds 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
MySmartBlinds, Inc.
2365 Mountain Vista Lane
Provo, Utah 84606

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 MySmartBlinds 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 MySmartBlinds 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, or phone:

MySmartBlinds, Inc.
2365 Mountain Vista Lane
Provo, Utah 84606
support@mysmartblinds.com
1-844-762-7840

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

The MySmartBlinds system is intended for personal home use. MySmartBlinds 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 MYSMARTBLINDS RELATED TO ANY PRODUCT EXCEED THE PURCHASE PRICE OF THE PRODUCT.

YOUR USE OF MYSMARTBLINDS PRODUCTS IS AT YOUR SOLE RISK. MYSMARTBLINDS SHALL NOT BE LIABLE UNDER ANY CIRCUMSTANCES FOR CONSEQUENTIAL, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGES ARISING FROM OR IN CONNECTION WITH THE USE OF ANY MYSMARTBLINDS 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.