MOTORIZED SHADE

Simplicity with rechargeable motor



GETTING STARTED

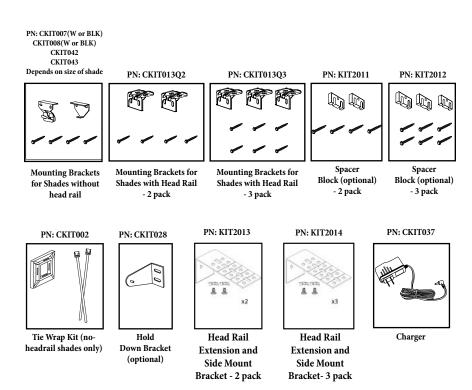
IMPORTANT: The remote control has **not** been linked to the shades. Install all shades prior to linking the remote. The lower and upper limits have been set at the factory.

A few simple tools are required:

- Measuring tape
- Power drill, drill bits
- 1/4" Hex head and/or Phillips driver bit
- Pencil



Additional fasteners other than those sent with your shade may be required depending on the mounting surface. Wallboard and plaster require the use of anchors such as expansion or toggle bolts. Brick, tile or stone need special plugs and drill bits. Remember to always pre-drill holes in wood to avoid splitting.



STEP 1: BRACKET INSTALLATION

Important: If a solar recharge unit is being installed, read the solar panel booklet prior to installing mounting brackets.

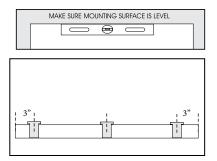
SHADES WITH HEAD RAIL

Shades are shipped with the required number of brackets for proper installation. End brackets should be located approximately 3" from either end. Depending on the width of the shade, additional brackets may be necessary, evenly spaced between the two end brackets.

Using the installation bracket as a template, measure to the edge of the bracket and mark the hole locations with a pencil for drilling.

Brackets must be in line and level. Shim brackets on inside mounts if necessary. The head rail must be level for the shade to operate properly.

Shade Width	# of Brackets
Up to 40"	2
>40" - 72"	3
>72"- 84"	4
>84" and up	5



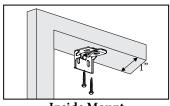
INSIDE MOUNT

The minimum mounting depth for an inside mount is 1".

A minimum of 3 3/4" is needed to fully recess the shade.

Make sure the brackets are level and aligned.

Attach using two screws.



Inside Mount

Shallow Mount - Minimum 1" surface Flush Mount - Minimum 3 3/4" surface

OUTSIDE MOUNT

The minimum mounting height for outside mounted shades is 1".

Make sure the brackets are level and aligned.

Attach using two screws.

1"

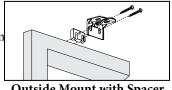
Outside Mount Minimum 1" surface

SPACER BLOCKS (OPTIONAL)

Each spacer block projects brackets 3/8" away from mounting surface.

Make sure the brackets are level and aligned.

Attach using two screws. Screws should be long enough to secure the bracket to the mounting surface.

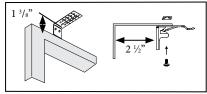


Outside Mount with Spacer Blocks

EXTENSION BRACKETS (OPTIONAL)

Optional extension brackets are used to project the back of the shade up to $2\frac{1}{2}$ from the mounting surface.

Attach the mounting bracket to the extension bracket with the nut and bolt provided.



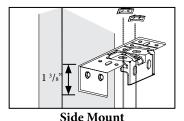
Outside Mount with Extension Brackets

Minimum 1 3/8" surface

SIDE MOUNT (OPTIONAL)

Measure from window sill up to desired mounting position on each side of the window frame. Mark position.

Mount side mount brackets on each side of window frame as shown. Make sure to confirm the head rail will sit perfectly level.



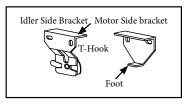
Minimum 1 3/8" surface

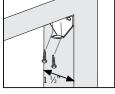
Once side mount brackets are installed and properly positioned, attach the mounting brackets using the nuts and bolts provided.

SHADES WITH NO HEAD RAIL

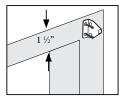
The installation brackets are always mounted so that the inner surfaces face each other.

Brackets must be in line and level. Shim brackets on inside mounts if necessary. The head rail must be level for the shade to operate properly.





Inside Mount
Minimum 1 ½" surface

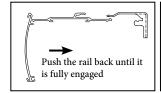


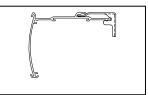
Outside Mount
Minimum 1 ½" surface

STEP 2: SHADE INSTALLATION

SHADES WITH HEAD RAIL

Center the shade in the window opening and push the head rail into the mounting brackets as shown.

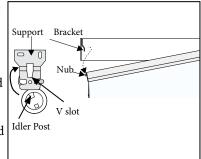




SHADES WITH NO HEAD RAIL

Once the brackets are secured and level, the fabric roll can be inserted. Make sure your hands are clean to avoid soiling the fabric.

Insert the foot of the motor-side bracket into the slotted center hole of the motor end of the fabric roll. The antenna wire should be positioned so that it goes up. This will provide easy access to the setting button and recharge port.



Set the post of the idler end into the V of the support bracket. Rotate the T-hook on the support bracket to lock in the post and secure the fabric roll.

STOP!

This booklet has instructions for 3 remote styles.

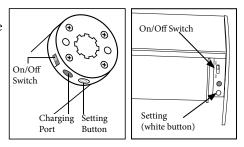
Determine which remote you have before proceeding.

TEAR OUT CENTER SPREAD FOR ILLUSTRATIONS OF
EACH REMOTE FOR EASY REFERENCE.

STEP 3: LINK REMOTE

5 CHANNEL REMOTE

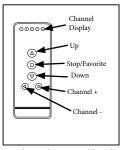
This remote control has 5 channels. Before linking the remote, determine which shade(s) you want on which channel. All shades linked to a remote will also automatically be programmed to the "ALL" channel.



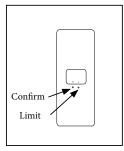
Remove plastic film from the front of the remote.

If battery is not already installed in the remote follow the instructions on page 22.

- 1. Make sure the On/Off switch on the motor is set to "ON"
- 2. Select the channel that you want to program using the **CHANNEL** selector buttons.
- 3. Press the **SETTING** button on the motor until it beeps/jogs, then release. The motor will make 4 fast beeps followed by 5 long beeps. Press the **CONFIRM** button on the remote anytime during the series of long beeps. It must be pressed before the last long beep. The motor will beep and jog confirming that the shade has been linked.
- 4. Repeat steps 1-3 to program the rest of the channels.



5 Channel Remote (front)



5 Channel Remote (back)

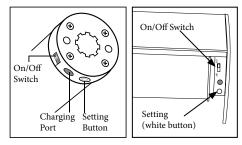
TIMER REMOTE

This remote control has 6 channels. Before linking the remote, determine which shade(s) you want on which channel. All shades linked to a remote will also automatically be programmed to the "ALL" channel.

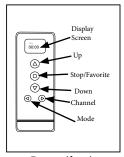
Remove plastic film from the front of the remote.

If battery is not already installed in the remote follow the instructions on page 22.

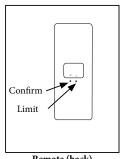
Turn the remote on by tapping any button. Then, tap the MODE button until you see "MANUAL" in the display.



- 1. Make sure the On/Off switch on the motor is set to "ON"
- 2. Select the channel that you want to program using the CHANNEL selector button. The button will scroll through channels in ascending order only. The remote will go back to channel 1 after channel AL.
- 3. Press the **SETTING** button on the motor until it beeps/jogs, then release. The motor will make 4 fast beeps followed by 5 long beeps. Press the **CONFIRM** button on the remote anytime during the series of long beeps. It must be pressed before the last long beep. The motor will beep and jog confirming that the shade has been linked.
- 4. Repeat steps 1-3 to program the rest of the channels.



Remote (front)



Remote (back)

14 CHANNEL REMOTE

Important: Please read through this section completely before beginning.

This remote control has 14 channels. Before linking the remote, determine which shade(s) you want on which channel. All shades linked to a remote will also automatically be programmed to the "ALL" channel.

The 14 Channel remote may also be used to operate top down-bottom up cellular shades. You can not mix a standard bottom up only shade and a TD/BU shade on the same channel.

Remove plastic film from the front of the remote.

If battery is not already installed in the remote follow the instructions on page 22.

- 1. Select the channel that you want to link the shades to, using the **CHANNEL** selector button. The button will scroll through channels in ascending order only. The remote will go back to channel 1 after channel AL. See next page to disable unused channels.
- 2. Make sure the On/Off switch on the motor is set to "ON"
- 3. Confirm that the channel selected is set for bottom up only shades by looking to see if a number 1, 2 or 3 shows in the left of the display. If a number is shown, deactivate the Top Down/ Bottom Up function for that channel by pressing the RAIL **SELECTOR** and **DOWN** buttons at the same time until the rail selector number disappears from the left side of the screen.



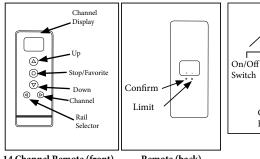
On/Off Switch

Setting

(white button)

0

- 4. Press the **SETTING** button on the motor until it beeps/jogs, then release. The motor will make 4 fast beeps followed by 5 long beeps. Press the **CONFIRM** button on the remote anytime during the series of long beeps. It must be pressed before the last long beep. The motor will beep and jog confirming that the shade has been linked.
- 5. Repeat steps 1-4 to link remaining shades to the rest of the channels.





Charging

Port

Setting

Button

DISABLING EXCESS CHANNELS ON 14 CHANNEL REMOTE

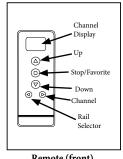
The 14 channel remote has the option of turning off unused channels, making channel selection easier.

Press and hold both UP and DOWN buttons for 3 seconds until 00 Channel displays. Release the buttons and the 00 will start to flash.

Press the UP or DOWN button to select the required number of channels (between 1-14).

Press and hold the CHANNEL and RAIL selector. buttons at the same time to confirm selection. The display will go back to channel 01.

Follow the same process if you need to re-add channels.

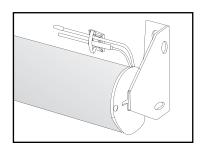


Remote (front)

ANTENNA RESTRAINT- NO HEADRAIL SHADES

Position the antenna so that it will not get caught in the roller during operation.

Remove the release liner from the back of the tie wrap mounting base and adhere it near the antenna. Use the tie wrap to hold the antenna in place.



OPERATION

5 CHANNEL REMOTE

Select the desired channel with the **CHANNEL** buttons. The channel indicator light will illuminate the channel that is on. If all 5 lights are lit, the remote will control all 5 channels at once.

Tapping the **UP** or **DOWN** buttons for less than 2 seconds will move the shade in short steps. Holding the **UP** or **DOWN** buttons down for more than 2 seconds before releasing will operate the shade in the faster standard speed.

Press the **UP** or **DOWN** buttons to raise or lower the shade.

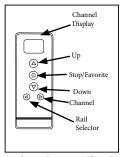
Press the **STOP** button to stop the shade anywhere along the travel.

14 CHANNEL REMOTE

Select the desired channel with the CHANNEL button.

Tapping the **UP** or **DOWN** buttons for less than 2 seconds will move the shade in short steps. Holding the **UP** or **DOWN** buttons down for more than 2 seconds before releasing will operate the shade in the faster standard speed. Press the **UP** or **DOWN** buttons to raise or lower the shade.

Press the **STOP** button to stop the shade anywhere along the travel.



14 Channel Remote (front)

OPERATION

TO DE-ACTIVATE THE JOG FUNCTION (5 & 14 CHANNEL REMOTES)

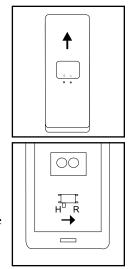
The remote comes pre-set with the jogging function activated. Follow the directions below if you would like to de-activate it.

Press down and up on the back cover to slide it approximately ¼ inch.

Carefully remove the back cover of the remote.

Slide the switch from the H position to the R position.

Replace the back cover of the remote making sure that the rubber piece that goes over the confirm and limit buttons stays in place.



H=Jog On R= Jog Off

MANUAL

00:00

TIMER REMOTE

Shades can be manually operated while in manual mode. Tap the MODE button until you see "MANUAL" in the display.

Select the desired channel with the **CHANNEL** button. The channel will show in the display screen. If all 6 channel numbers are shown, the remote will control all 6 channels at once.

Press the **UP** or **DOWN** buttons to raise or lower the shade.

Press the STOP button to stop the shade anywhere along the travel.

Note: The timer remote does not have fine adjustment capability (jog function).

ADJUST MOTOR LIMITS (IF DESIRED)

If using a timer remote, tap the MODE button until you see "MANUAL" in the display.

The lower and upper limits have been set at the factory. If you need to make adjustments to the limits, follow the instructions below.

Please Note: When clearing the factory set limits, both the upper and lower limits will need to be reset.

Use the **CHANNEL** buttons to select the channel for the shade that needs to be adjusted. Then follow the directions below.

If there is only a single shade on the channel, proceed to setting limits on the next page.

If there is more than one shade on the channel, all other shades on that channel will need to be disabled.

To disable a shade, set the ON/OFF switch on the motor to the "OFF" position.

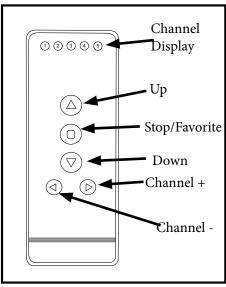
Follow the limit setting instructions on next page and then turn the other shades back on by setting the ON/OFF switch on the motor to the "ON" position.

REMOVE THIS PAGE FOR EASY REFERENCE

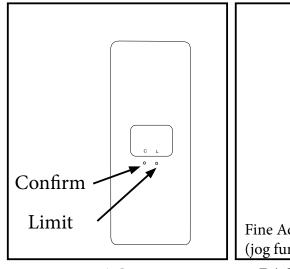
ILLUSTRATIONS OF THE FOLLOWING REMOTES:

5 CHANNEL REMOTE
TIMER REMOTE
14 CHANNEL REMOTE

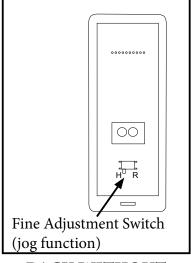
5 Channel Remote



FRONT

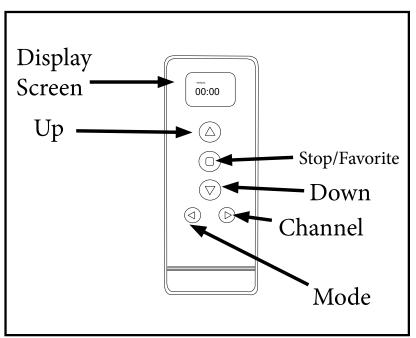




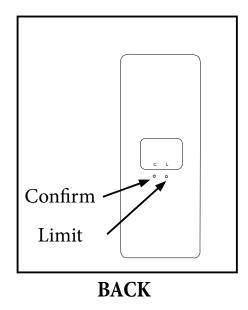


BACK WITHOUT COVER

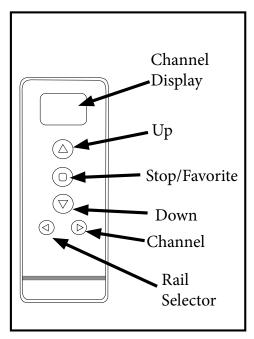
6 Channel Timer Remote



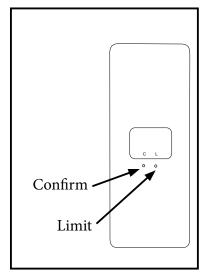
FRONT



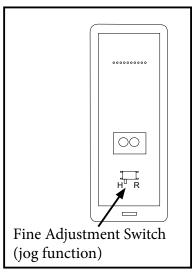
14 Channel Remote



FRONT



BACK WITH COVER



BACK WITHOUT COVER

LOWER LIMIT

Hold the LIMIT button until the shade starts jogging/beeping.

Use the **DOWN** button to lower the shade. Press stop when the shade is near the desired lower limit.

Use the **UP** and **DOWN** buttons to adjust the length more accurately.

Hold the **CONFIRM** button until the shade jogs/beeps. This locks in the lower limit.

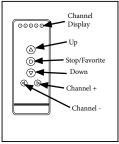
UPPER LIMIT

Use the **UP** button to raise the shade. Press stop when the shade is near the desired upper limit.

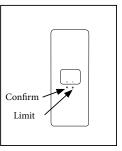
Use the **UP** and **DOWN** buttons to adjust the upper limit more accurately.

Hold the **CONFIRM** button until the shade jogs/beeps. This locks in the upper limit.

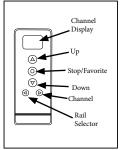
Note: If you also desire to set a favorite position you should do so prior to moving the switch back to the "ON" position for shades that share that channel. See the next page for setting favorites.



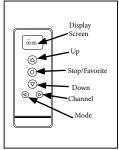
5 Channel Remote (front)



Back of all Remotes



14 Channel Remote (front)



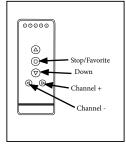
Timer Remote (front)

FAVORITE POSITION

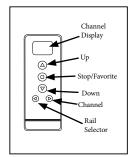
If there is only a single shade on the channel proceed to setting favorites below.

If there is more than one shade on the channel, all other shades on that channel will need to be disabled.

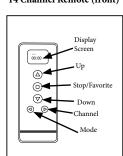
To disable a shade, set the ON/OFF switch on the motor to the "OFF" position.



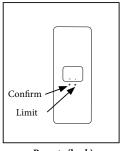
5 Channel Remote (front)



14 Channel Remote (front)



6 Channel Timer Remote (front)



Remote (back)

SETTING A FAVORITE POSITION

Use the **UP** or **DOWN** buttons to position the shade at the desired "favorite" position. While holding the **LIMIT** button, quickly press and hold the **UP** button. Release both buttons when the shade jogs/beeps.

When complete, turn the other shades back on by setting the ON/OFF switch on the motor to the "ON" position.

USING A FAVORITE POSITION

With the shade at either the upper or lower limit, simply press the STOP/FAVORITE button to bring the shade to the "favorite" position. To go to the "favorite" position from any other location, make sure the shade has been stopped for at least three seconds before pressing the STOP/FAVORITE button.

CHANGING A FAVORITE POSITION

If there is only a single shade on the channel proceed to changing favorites below.

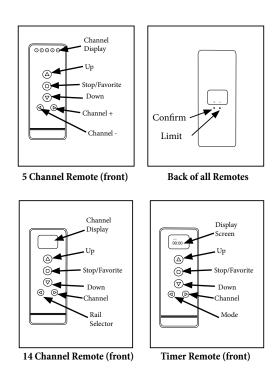
If there is more than one shade on the channel, the other shades on that channel will need to be disabled.

To disable a shade, set the ON/OFF switch on the motor to the "OFF" position.

Use the **UP** or **DOWN** buttons to position the shade at the desired "favorite" position. While holding the **LIMIT** button, quickly press and hold the **UP** button. Release both buttons when the shade jogs/beeps.

To erase a "favorite" position, bring the shade to the **upper** limit. Press and hold the **LIMIT** button on the back of the remote, then press and hold the **UP** button. Release both buttons when the shade jogs/beeps.

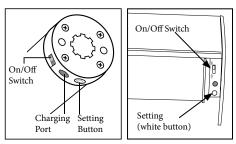
When complete, turn the other shades back on by setting the ON/OFF switch on the motor to the "ON" position.



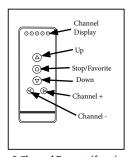
ADVANCED PROGRAMMING

REPLACE ORIGINAL REMOTE, ADD ADDITIONAL REMOTE OR ADD SHADE TO AN ADDITIONAL CHANNEL

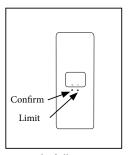
- 1. Select the channel that you want to program using the CHANNEL selector button.
- 2. Press the **SETTING** button on the motor until it beeps/jogs, then release. The motor will make 4 fast beeps followed by 5 long beeps. Press the CONFIRM button on the remote anytime during the series of long beeps. It must be pressed before the last long beep. The motor will beep and jog confirming that the shade has been linked.



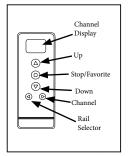
3. Repeat steps 1-2 to program the rest of the channels on a multichannel remote.



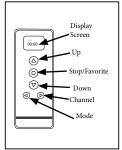
5 Channel Remote (front)



Back of all Remotes



14 Channel Remote (front)



Timer Remote (front)

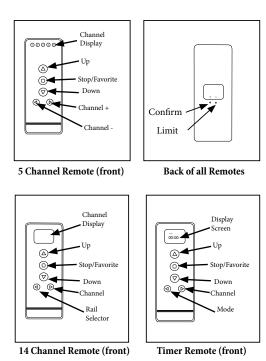
REMOVE A SHADE FROM A REMOTE OR CHANNEL AND LINK IT TO A DIFFERENT REMOTE OR CHANNEL

Press and release the **CONFIRM** button. The shade will jog and beep one time. Continue to press and release until the shade jogs and beeps several times in a row.

The original remote or channels have been unlinked.

Link the motor to the new remote or channel

1. Follow the steps for replacing the remote on page 15.



PROGRAMMING TIMER REMOTE

SETTING CLOCK

Press any button to turn on the remote.

Tap the **MODE** button until you see "MANUAL" in the display.

Push and hold the **LIMIT** button. While holding the **LIMIT** button, push the **MODE** button for 3 seconds and release. The hour digits will flash.

Use the **UP** and **DOWN** buttons to set the current hour. **NOTE:** Time is in 24 hour format (military time). For example: 1:00 PM will be displayed as 13:00.

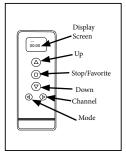
Press **CHANNEL** button to confirm hour and advance to minutes.

Use the **UP** and **DOWN** buttons to set the current minute.

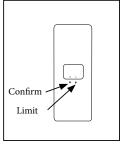
Press **CHANNEL** button to confirm minute and advance to day.

Use the **UP** and **DOWN** buttons to set the current day.

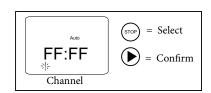
Hold the **MODE** button for 3 seconds. Display will flash and then display the current time and day.



6 Channel Timer Remote (front)



Remote (back)



SETTING TIMER SCHEDULES

The timer remote allows up to 18 different timer schedules. Each timer schedule can be set for multiple channels and days, but only one function can happen at each time.

Press any button to turn on the remote.

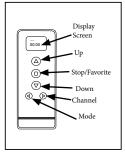
Tap the **MODE** button until you see "**AUTO**" in the display.

While holding the **LIMIT** button, push the **MODE** button for 3 seconds and release. The time will flash, then display "NO 1" and the flash "FF:FF". If you want to set a different timer schedule press **MODE** for 1 second to scroll through the schedules (NO 1, NO 2, NO 3 etc.). Unprogrammed schedules will display FF:FF.

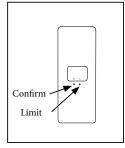
Press **STOP** button and the channel number display along the bottom of the screen will flash.

Use the **STOP** button to select the channel and move on to the next one. Use the **UP** arrow to skip a channel and the **DOWN** arrow to back up. You must press **STOP** for each channel that you want to select. If the channel is still flashing, it has not been selected.

Press **CHANNEL** button to confirm channels and advance to day selection.



6 Channel Timer Remote (front)



Remote (back)



Use the STOP button to select the day and move on to the next one. Use the UP arrow to skip a day and the DOWN arrow to back up. You must press STOP for each day that you want to select. If the day is still flashing, it has not been selected.

Press **CHANNEL** button to confirm days and advance to hour selection.

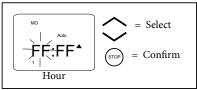
Use the **UP** and **DOWN** buttons to set the hour. NOTE: Time is in 24 hour format (military time). For example: 1:00 PM will be displayed as 13:00.

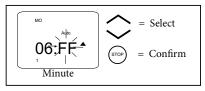
Press **STOP** button to confirm hour and advance to minutes.

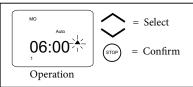
Use the **UP** and **DOWN** buttons to set the minutes.

Press **STOP** button to confirm minutes and advance to shade operation.









Shade operation symbols are to the right of the time. Use the **UP** and **DOWN** buttons to select the operation. ▲will raise the shade, ▼will lower the shade, ↓ will bring the shade to the favorite position.

Press **STOP** button to confirm operation.

Push the **MODE** button for 3 seconds and release. The display will flash to confirm settings are saved and advance to the next schedule. Repeat the steps above for each desired schedule.

IMPORTANT NOTES

- Remote must be in "AUTO" mode for the set schedules to operate. To return to "MANUAL" mode, tap the MODE button.
- When remote is in Auto mode, the display will alternate between the current time/day and the time/day/channel for the next upcoming schedule.
- To disable a schedule, simply reset the scheduled time to FF:FF.

SAMPLE SCHEDULE

NO 1: CH1 & CH2, MO TU WE TH FR, 6:00, ▲

NO 2: CH1 & CH2, MO TU WE TH FR, 21:00, \bigvee

NO 3: CH1 & CH2, SA SU, 9:00, ▲

NO 4: CH1 & CH2, SA SU, 22:00, ▼

NO 5: CH3, MO TU WE TH FR SA SU, 10:00, **♦**

NO 6: CH3, MO TU WE TH FR SA SU, 21:00, \bigvee

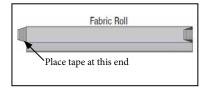
SKEW ADJUSTMENT (IF NECESSARY)

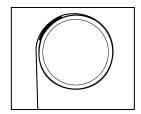
If the shade does not raise evenly, first make sure the mounting brackets are mounted level with each other.

If the shade is level and it still skews, roll the shade all the way down. Prepare a strip of masking tape approximately 5" long.

On the side of the shade opposite of the skewing direction, and as close to the end of the roller as possible, apply the tape with the sticky side facing the fabric. The tape should be placed on the back of the roller, out of sight.

Roll the shade up and check for skewing. If the shade is still skewing, add another strip of tape on top of the first one. If the shade is now skewing in the opposite direction, tear off about 1" of tape from the last strip installed.

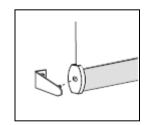




HOLD DOWN BRACKETS (OPTIONAL)

Optional hold down brackets are mounted with the supplied screws.

With the shade at its proper drop, place the pin of each hold down into the hole in each end cap and mark the screw holes.



Make sure the pins are level and aligned.

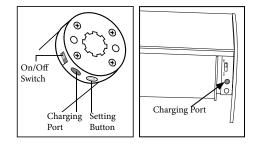
Raise the shade, then screw the hold down bracket into the mounting surface.

CHARGING THE MOTOR

When the shade begins to operate slower than normal it is time to charge the motor.

Plug the 8.4v charger into the port on the motor.

Plug the charger into an electrical outlet.



A red light on the charger indicates that the battery is charging.

Allow the batteries to charge until the light on the charger turns green. A typical charge cycle can take between 4-6 hours.

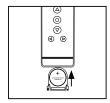
Do not leave the charger plugged in for more than 24 hours. This could prematurely age the battery.

REPLACING THE BATTERY IN THE REMOTE

Remove the battery tray from the remote by inserting a fingernail into the indentation on the back of the remote. To avoid the battery falling out of the remote, remove the tray while the remote is face up.

Insert the new battery (CR2430 lithium) into the battery tray so that the writing is facing up (positive up) when the remote is face up. Slide the tray back into the remote.

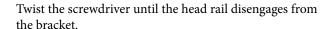




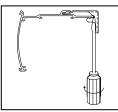
SHADE REMOVAL

If you need to remove your shade, follow the instructions below.

Partially lower the shade and insert a flat head screwdriver as shown.



As you release the brackets, support the head rail to keep it from falling.



CLEANING AND CARE

The shade fabric is easy to care for. Regular dusting with a feather duster or vacuum cleaner brush is recommended. Most stains can be blotted with a damp sponge and mild detergent. Before using anything stronger than mild detergent and lukewarm water, test an unobtrusive corner of the shade. If you have any questions, call your dealer for advice.

TROUBLESHOOTING

PROBLEM	SOLUTION
The motor does not work or runs slow	Recharge motor
The motor continues to run in one	The limit setting was unsuccessful and
direction	needs to be reset
The indicator light on the remote does	Replace the battery in the remote
not shine or the remote-controlling	(CR2430)
range becomes shorter	

Supplier's Declaration of Conformity 47 CFR § 2.1077 Compliance Information

Unique Identifier: BF-305W, BF-305B, BF-415, TE-306

Responsible Party - US Contact Information

Window Covering Manufacturer 21 Elm Street Maplewood, NY 12189

Phone #: (800) 843-4151

FCC Compliance Statement:

This device complies with Part 15 of the FCC Rules. Operation is subject to 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.

CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the users authority to operate the equipment.