



INSTALLATION GUIDE

Galaxy II



IMPORTANT - READ THIS FIRST

- **Inspect stair for any damage prior to installation.**
- **Stair is NOT to be installed while home is under construction and used as a construction stair.**

Failure to follow these guidelines can result in damage to the stair and will void the warranty.

If you have any problems or concerns with stair, call SP Partners LLC immediately at 877-369-6996

Tools / Materials Required

Drill, tape measure, crescent wrench, wood shims, ladder, lumber with same dimensions as joists, keyhole saw or utility knife to cut ceiling material.

Parts Included

(4) Steel hangers with locking nuts



Remote control with battery



(2) Extra treads



(8) Hex head bolts and lock nuts
(for installing extra treads)



Key for emergency door release



(2) Back-up 9 volt batteries



Wiring for optional wall mounted switch
operation (See page 7)



Read instructions carefully and completely before beginning installation.



Warning

* Installer should be experienced in the construction or modification of structural framing supports. Improper installation can result in stair collapse and bodily injury.

[?] * Determine location of electrical lines or plumbing before cutting ceiling.

Table A

Model #	Rough Opening Dimension	Stair Frame Dimension	Tread Width	Floor-to-Ceiling Height Range	# of Treads	Stair Projection (Page 4)	Landing Space (Page 4)
RR2254	22 1/2" X 54"	22" X 53 1/2"	10"	7' - 6" to 8' - 4"	9	0"	41"
				Over 8' - 4" to 9' - 2"	10	0"	43"
				Over 9' - 2" to 10'	11	4"	45"
RR2254-INS	22 1/2" X 54"	22" X 53 1/2"	10"	7' - 6" to 8' - 4"	9	0"	41"
				Over 8' - 4" to 9' - 2"	10	0"	43"
				Over 9' - 2" to 10'	11	4"	45"
RR2554	25 1/2" X 54"	25" X 53 1/2"	13 3/4"	7' - 6" to 8' - 4"	9	0"	41"
				Over 8' - 4" to 9' - 2"	10	0"	43"
				Over 9' - 2" to 10'	11	4"	45"
RR2554-INS	25 1/2" X 54"	25" X 53 1/2"	13 3/4"	7' - 6" to 8' - 4"	9	0"	41"
				Over 8' - 4" to 9' - 2"	10	0"	43"
				Over 9' - 2" to 10'	11	4"	45"
RR3060	30" X 60"	29 1/2" X 59 1/2"	14"	7' - 6" to 8' - 4"	9	0"	41"
				Over 8' - 4" to 9' - 2"	10	0"	43"
				Over 9' - 2" to 10'	11	4"	45"

Locating The Stair

Determine whether the chosen location allows sufficient “projection” and “landing space” for your unit. See Figure 1 and 2 below and TABLE A above.

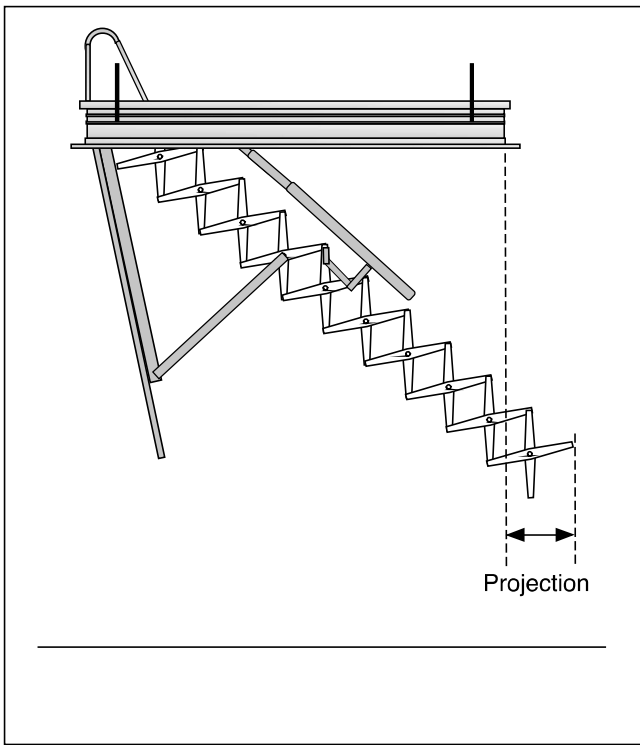


Figure 1

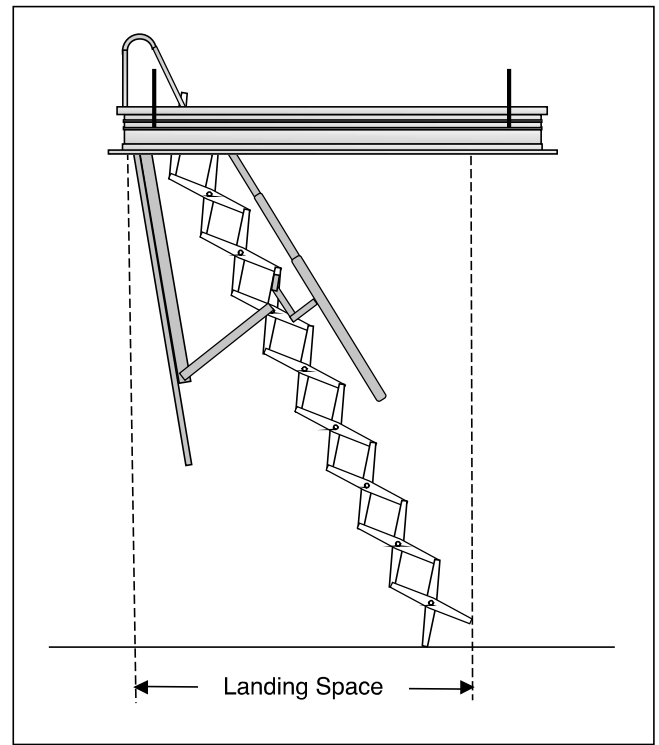
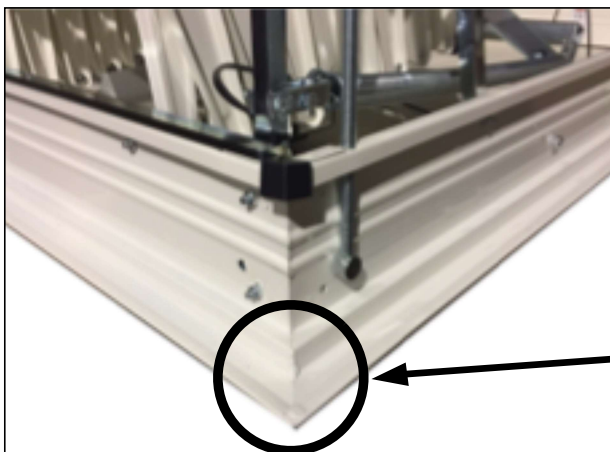


Figure 2

Preparing The Rough Opening



* Mark out the rough opening size for your unit according to TABLE A. **Note that the finished metal trim extends beyond the rough opening about 1 1/4" when the unit is installed. Allow clearance for this on all four sides.**

* Cut the rough opening through the ceiling material.

Metal Trim

Framing The Opening



Warning

If your attic framing consists of prefabricated trusses, **DO NOT CUT WITHOUT CONSULTING AN ENGINEER AND OBTAINING APPROVAL.**

- * In framing the rough opening, one or more joists (beams) may need to be cut, depending on orientation of the ladder (parallel or perpendicular to the joists.) In either case joists to be cut must be supported on both sides of the opening before cutting.
- * Cut and securely nail headers (blocking) of the same joist dimensions to the joists as shown in Figures 3 and 4. Be sure to nail all cut joists to headers. When installing perpendicular to joists as in Figure 4, it is advisable to double up the headers for more strength and rigidity.

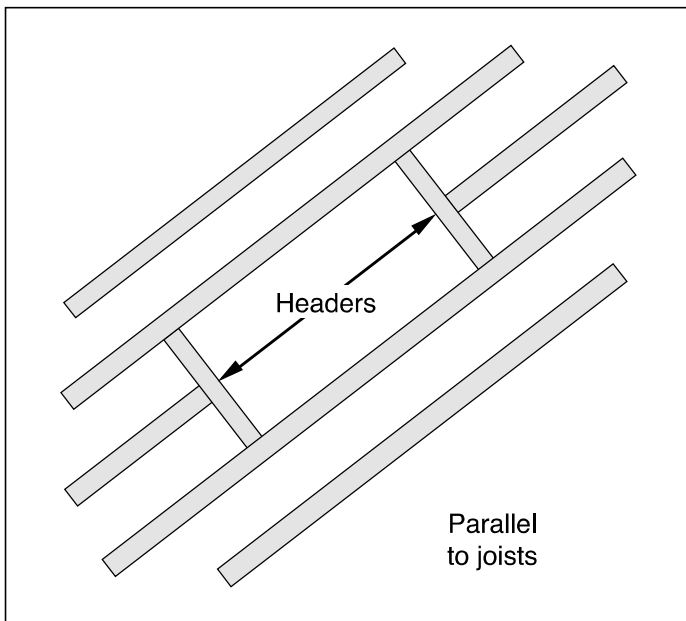


Figure 3

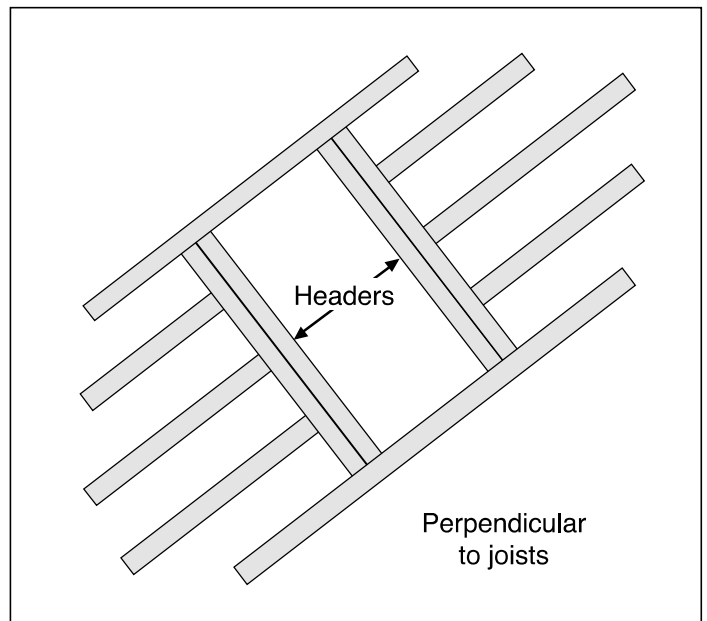


Figure 4



Warning

Perform this step **BEFORE** installing the stair in the ceiling since you will need to remotely open door from below to allow helpers to exit the attic.

Programming The Remote

1. Locate the DIP switch code on the power cord tag or on the top end of the control box. (Figure 5)
2. Open the battery cover on the remote and duplicate the 6-digit DIP switch setting. (Figure 6)
3. Insert battery and close cover.

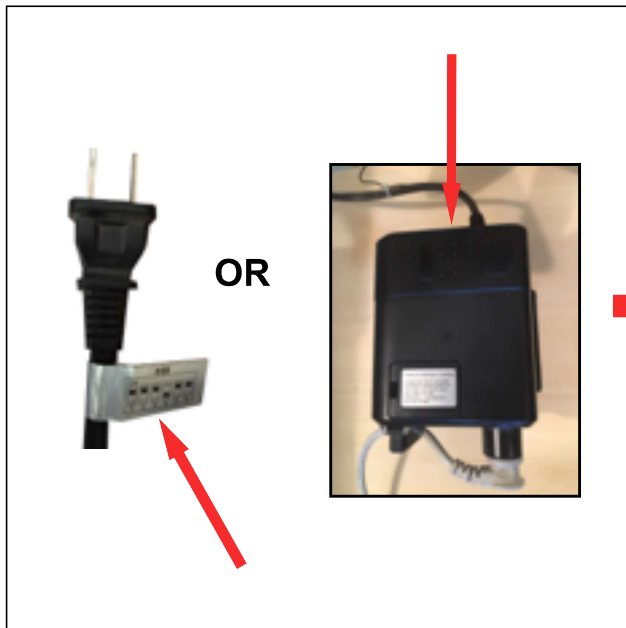


Figure 5



Figure 6

Installing The Stair



Warning

- * There should be adequate light in the attic to work safely.
- * Be sure the attic stair door is closed and securely latched.
- * Due to its weight, two additional helpers should be used to raise stair into opening.

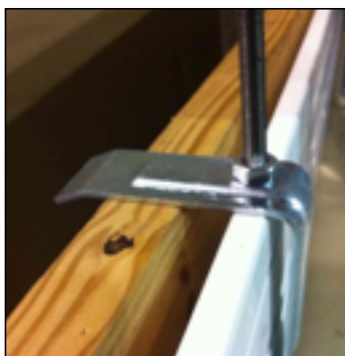


Figure 7

- * Person in attic should have steel hangers and nuts ready.
- * Have two additional helpers lift stair into the opening from below until the tops of the threaded rods clear the top of the joists.
- * Slide joist hangers over rods and thread nuts down without tightening fully. With all hangers in place, helpers can let go of stair. See Figure 7.
- * Square the stair frame to opening while maintaining an even gap all around between frame and joists.
- * Tighten nuts in stages all around but **DO NOT OVER TIGHTEN** as this may distort the metal trim. Shim as necessary to keep stair square.
- * Door can now be opened from below.

Opening Stair and Adjusting Stair Height

Determine the correct number of treads for your floor-to-ceiling height. See Table A on page 4.

If none of the additional treads supplied are required, use remote to fully open stair to floor. To do so, press and hold the down arrow for 3 seconds and then release. Stair will fully open and stop automatically.

If an additional treads are required:

1. Press and hold “down” button for 3 seconds to start stair. When stair is roughly half way down, hit down button again to stop stair.
2. Detach bottom tread by removing four nuts and bolts holding tread to the one above.
3. Add 1 or 2 treads (as required) using additional nuts and bolts supplied. **Do not overtighten as this may inhibit the smooth operation of the stair.**
4. Re-attach bottom tread.
5. Lower stair with remote until firmly on floor.
6. To close stair, press and hold the “up” arrow on the remote for 3 seconds and let go. The stair will fully close and stop automatically.

Manual Stair Operation

In the event of a power outage, the stair can be operated manually. In order to do so, the motor must first be unlocked by using the key supplied with the unit. A step ladder will be needed for this process. Please read this section carefully before attempting to open door.



Warning

THE DOOR MUST BE SUPPORTED AT ALL TIMES DURING THE UNLOCKING OPERATION AND GUIDED TO A FULLY OPEN POSITION BY HAND. THERE ARE NO SPRINGS OR OTHER MECHANISMS TO HOLD THE WEIGHT OF THE DOOR.

A. FULL MANUAL OPERATION (For opening and closing during power outage)

1. With the door fully supported from below, insert the supplied key into the receptacle on the door and make a 1/4 turn counterclockwise to unlock.
2. Lower door by hand until fully open.
3. With door fully open, grasp bottom tread and pull outward and down. There will be slight resistance and you will hear a whirring sound, which is normal. (This is the motor gear turning) Lower stair fully to floor.
4. (Assuming power is still out) To fold stair back onto door, lift and push until the stair is fully folded.
5. Again, using step ladder, close door fully and support from below. Re-insert the key into the receptacle on the door and turn clockwise 1/4 until locked. Door may drop slightly when let go since the motor and door will need to be reset.



To reset the motor (and door) when power is restored, fully open stair with remote. Next, press and hold both the up and down buttons simultaneously. Stair and door will fully close automatically and motor will be reset.

SEE NEXT PAGE FOR PARTIAL MANUAL OPERATION

Manual Stair Operation (Continued)

B. PARTIAL MANUAL OPERATION (For opening during power outage and then closing stair when power is restored)

First open manually as in steps 1 and 2 as on previous page.

1. Re-insert the key into the receptacle on the door and turn clockwise 1/4 turn until it can no longer be turned.
2. Press and hold both the up and down arrows on the remote simultaneously until stair completely refolds and door is fully closed. This action also resets the motor automatically.



Hard Wire Option Installation

The **Galaxy II** stair can be operated by use of the remote control provided, a set of hard-wired wall switches (optional) or both. This guide will help you set up your unit for wall switch operation. The wall switch necessary is purchased separately and is available at most hardware / home improvement stores or electrical supply houses.

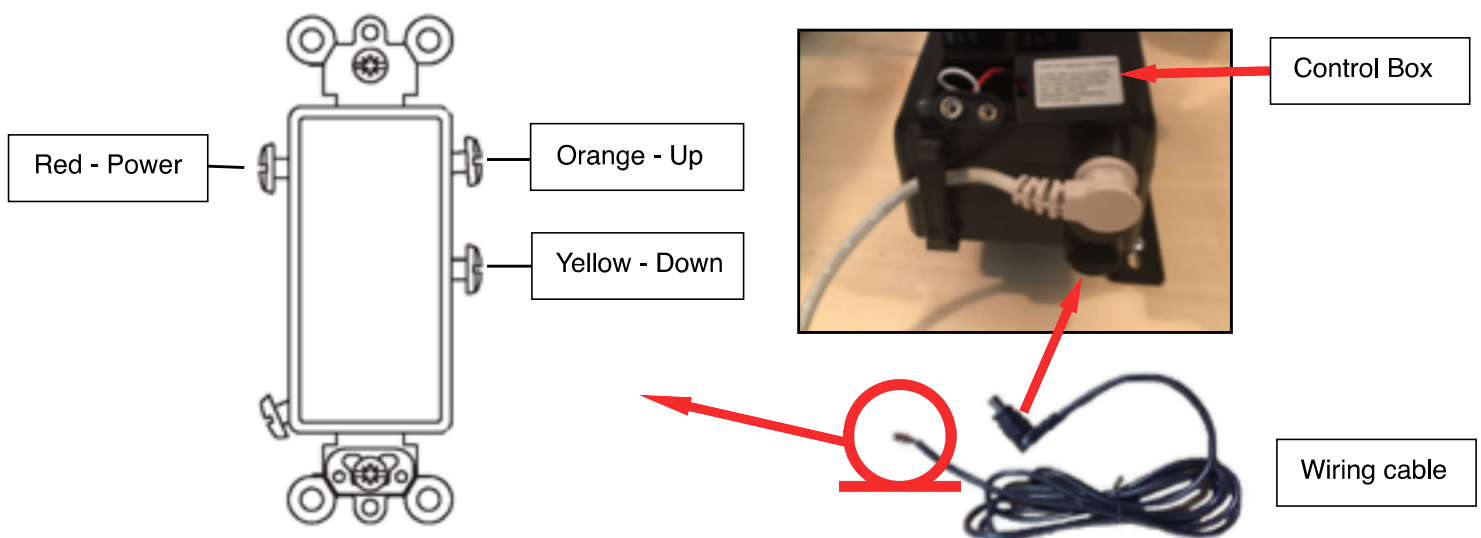
It should be a low voltage, momentary contact, center OFF type. One offered by **Leviton, (Product # 56081-2)**, is available in both toggle style and Decora style as shown at right and works well in this application.

Note: Wall switches should be placed high enough on wall to prevent children from operating stair.



Wiring connections are as follows:

- (1) Insert wiring plug into lower receptacle of control box.
- (2) Only three of the wires inside cable will be used to make connection to the wall switch. (Red, Orange and Yellow).
- (3) Additional length of low voltage wire will be needed to extend wiring from cable provided to wall switch.



Battery Back Up

The unit control box contains a compartment for two 9V batteries (supplied). In the event of a power outage the stair can also be operated for two full cycles using the batteries alone. It is recommended the batteries be inserted into the control box at the time of installation. To do so, pry open the compartment cover as shown in Figures 8 and 9. Insert batteries and replace compartment lid.



Figure 8



Figure 9

Congratulations!

You are now ready to begin using your Rainbow Attic Stair. As with any product, be sure to follow instructions for safe, efficient and trouble free operation for years to come.

***** Children should never be allowed to operate or climb any attic stair *****

LIMITED WARRANTY

SP Partners, LLC warrants that the unit will be free from any defects in material and workmanship for one year from purchase date provided that the stair is installed in compliance with the preceding instructions and operated and maintained in accordance with these instructions and applicable warnings.

This warranty specifically excludes any and all non-defect damage, any and all damage, injuries and losses arising from improper installation of this product, unreasonable use to include exceeding the specified weight limitations, and any and all labor charges incurred for removing or reinstalling a repaired stair unit or any of its components.

During the warranty period stated, should the stair unit or any of its components exhibit a manufacturing defect please first call SP Partners, LLC at 877-369-6996 before dismantling the product in order to determine the extent of the defect and what course of action needs to be taken to correct the problem. A proof of purchase will be required in all cases.

ADDITIONAL EXCLUSIONS

SP Partners, LLCs above-stated express limited warranty is being made in lieu of all implied warranties of any kind, including those as provided by the Uniform Commercial Code for merchantability of the product and for fitness of the product for a particular purpose. All such implied warranties, including those of merchantability and/or fitness for a particular purpose, are excluded and disclaimed. Furthermore, all claims for consequential damages and for incidental damages that may arise from a breach of the above-mentioned express warranty are also excluded. In no event shall SP Partners, LLC be liable for any breach of warranty and/or for any negligence and/or for any strict liability which would exceed in damage amount the cost of the stair unit.

No representative or person is authorized to assume for SP Partners, LLC, any responsibility which would be either an alternative to or in addition to the express product warranty as stated above. This warranty gives you certain specific legal rights as were set forth above and any other rights that may vary from state to state. If any portion of this express warranty is deemed to be unenforceable at any time hereafter, any such provision shall be severed from this agreement, but all other terms, conditions and provisions shall remain in full force and effect.

SP Partners, LLC

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