



Automated Liftslide Owners Manual

Weiland Sliding Doors and Windows
2601 Industry Street
Oceanside, California 92054
760-722-8828

Weilandslidingdoors.com

Table of Contents

Introduction.....	1
Features.....	3
Operation.....	4
Safety Features.....	5
Customization.....	6
Insteon and Home Automation.....	7
Specifications.....	8
Troubleshooting.....	9

FCC compliance statement

This device complies with FCC Rules Part 15. Operation is subject to 2 conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference that may be received or that may cause undesired operation.

The digital circuitry in this device has been tested and found to comply with the limits for Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in residential installations. This equipment generates, uses and can radiate radiofrequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio and television reception. However there is no guarantee that interference will not occur in a particular installation. If the device does cause interference, which can be verified by turning the device on and off, the user is encouraged to contact the dealer.

Warning! Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Warning: The use of trained installers for both new automation installation and retrofitting older units is highly recommended. Weiland's automation is custom tuned for each system and requires special tools to both install and calibrate. This will ensure years of smooth operation and with minimal maintenance.

Introduction:

Congratulations on purchasing the Weiland Automated Liftslide system. One of the most sophisticated and easy to use automation products on the market. Like our doors, we have kept our automation to the highest standards. We have also integrated it with existing home automation so its not only easy to use but can be controlled by many different devices including hand held remotes, touch screens, wall mounted switches and even your computer. The automation is also encrypted for security so you can feel safe about no one else accessing your doors. The components themselves are corrosion resistant and designed to last for years, using Stainless Steel in our gear trains, sealed sensor switches and weather proof electronics to stand up in the roughest environment. And all of this is designed to go into the frame of the door itself. The only thing you need to do to your house for the system is a 110V AC plug in, which can be hidden to create a more pleasing look. No cutting holes in the wall for motors or visible belt systems that can pull the doors off track. Aesthetically you can barely see our system, which is important to us with the type of door systems we make. Every system is custom tailored to your doors for width of panel, weight and configuration. We have also integrated a new safety feature that allows people and pets to traverse the threshold while opening and closing without shutting down the system. While still stopping immediately if anything is in danger of being hit. The next few pages will explain in detail the things we have gone over here.

Operation:

Weiland's automation comes from the factory pre programmed for your system. Once installed the only thing the owner has to decide is what button to push. Currently there are 3 buttons to control every system. These buttons can be in a key pad, laptop or hand held remote but they all do the same thing.

System Open: This raises all the doors and starts opening them to a full open position. This can take from 5 seconds to 1 min depending on how big your system is. Our system raises each door individually and checks to make sure they are up before raising the next. The reason for this is we want to make sure all the doors are up before opening the system or damage can result. After all the doors are up the system will open at this time you can hit any button and stop the system. The only time the system will not stop is when raising or lowering.

System Close: Just the opposite of system open when the button is pressed the system will start closing, once all the doors are in position will start lowering all the doors.

Man Door Open: if you have a multi panel system and just want to open one door to walk out this is the button for you. It only raises the lead door and opens it about 36 inches. This allows owners of our bigger systems, some 40+ feet across, to be able to go in and out without more than a 5 second wait time.

While the system is raised and running in a closing or opening motion and is stopped either by safety or by a pressed command button the system will start up again from where it left off by pushing the button again. Example: if you opened the system half way and it hit an interference and stopped hitting open or close will

start it up again and do the routine it was told without starting from the beginning. So if you hit open all the doors raised and started opening and you hit open again the doors would stop, hit open again they would keep opening and finish their cycle.

The motors are designed to take in account door length and weight while opening and closing. So we can open the system faster while not damaging the doors when the lead door picks up the next. This is important when doors weighing over 800 lbs connect with each other. The motors also have protections built in to keep them from harm, if they get stuck for what ever reason will shut down and send an error to the system saving the motor and gear train from damage. It then will go into reset and wait for the next button to be pushed from the user.

Safety:

Weiland wanted this to be a number one priority. We have taken every step to make sure safety is both visually pleasing and redundant. Our automation has 2 safety features build into it. The first one is our Infrared beams. They run the vertical length of the leading door. Any break in beams will shut down the system instantly. This allows the system to open while people are walking through, but only activates if something is going to be encountered. When the IR beams are broken, the system will back the doors up a couple inches in case something is stuck. When obstruction is clear can hit an open or close command again and will continue its operations.

The second safety feature is all the motors have current monitors on them which can be set for each door. If the motors are working harder than they should be they error sending a signal to the system and shutting down the operation. If for some reason the safety beams were to fail this would kick in and stop the system. We at Weiland feel that Safety is first and feel that our system will keep your family and pets safe.

Customization:

Part of the technology we build into our automation is the ability to have it programmable in many ways without ever having to change the hardware. This entailed a lot of work on our end but feel our customers really want things just right. With our system you can have that. We can offer full array of interfaces to control your doors from hand held remotes, desktop keypads, in wall switches and even touch screens. Since we designed our doors to work with Insteon a whole assortment of products can be used to link with our doors. This gives you greater flexibility and control for the system. This also hooks you into home automation giving you the ability to run your system by computer along with other automation in our home.

Insteon, our communication engine:

Insteon is the home automation engine we use to communicate with the outside world. Outside meaning hooking up with other home automation. Its also our internal communication and how the doors talk to one another. Insteon is a communications language developed by Smartlabs to further home automation into the next century. It's a secure, stable and allows us to have a number of control devices for our doors. At Smarthome.com you can purchase several different controllers to meet your individual taste.

Another advantage of Insteon is it is very easy to use and program. Using a programming method called All-Link you can connect any controller to any other Insteon device. For our doors we press and hold the control module for 10 seconds until it flashes into link mode. We then activate the proper magnetic switch for the position we want the doors to end up in (System Open, System Closed, Man Door). Once activated, we then press and hold the linking button on the main door. It's that simple to add more controllers.

Insteon will also let you make scenes for you to set up your household. Imagine one button that turns off all the lights, shuts the doors, closes the blinds and sets your coffee maker to go off in the morning. Door automation and home automation working hand in hand.

Specifications:

Operating Voltage- 24v DC

Battery- 24v NiMH

Charger- Cell-Con 35 watt .9 amp

Motor- 12v DC servo

RF

Antenna	Dipole triband
Range	150ft
Frequency	915 MHz
Modulation	FSK
FCC ID	UPWWSD2006

Trouble Shooting:

Most trouble shooting will need to be handled by a trained Technician. If you are having trouble with your system check the make sure the battery is fully charged, this is done by checking the status light on the battery charger itself. If the light is blinking the battery is still charging, wait till the battery is fully charged (Status light is solid Green) before trying again. The doors need to be in the closed position to recharge. If the light is orange then the battery is not connected and may have a wiring issue.

For technical assistance please call:

Weiland Sliding Doors
1-760-722-8828