



Electronic Runway

User Manual

(Draft)

A Revolution In Motion

7 Studebaker • Irvine, California 92618 • 888.818.6777 toll free •
949.672.0032 phone • 949.672.0084 fax • www.freedom-innovations.com

FCC ID UPBERUN0001

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.

Freedom Innovations is responsible for radio frequency
compliance. Changes to any portion of the wireless
system not expressly approved by Freedom Innovations
could void the user's authority to operate the equipment.

This product complies with FCC radiation exposure
limits set forth for an uncontrolled environment.

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FCC ID UPBERUN0001

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

- (3) This device may not cause harmful interference, and
- (4) This device must accept any interference received,
including interference that may cause undesired operation.

Freedom Innovations is responsible for radio frequency compliance. Changes to any portion of the wireless system not expressly approved by Freedom Innovations could void the user's authority to operate the equipment.

This product complies with FCC radiation exposure limits set forth for an uncontrolled environment.

The Electronic Runway uses a wireless hand held key FOB transmitter for control. This allows the user the capability to adjust the Electronic Runway manually to a desired feel or automatically to a calibrated position. Wireless operation is only required if the users wishes to make adjustments to the Electronic Runway. Once a favorable or calibrated position is achieved the Electronic Runway is functional without the wireless control.

The Electronic Runway is controlled via a wireless handheld key FOB transmitter. The wireless system is fully configured and there are no user adjustments available for the wireless control.

The wireless handheld key FOB transmitter uses the 433 MHz frequency band.

Wireless transmission is initiated by depressing any button on the handheld key FOB twice. The initial press is followed by the red LED flashing at a 4 Hz rate indicating that the user has unlocked the handheld key FOB. Upon the second press, which must happen within two seconds from the first press, the flashing red LED will turn solid and wireless transmission of the button instruction to the Electronic Runway will begin. As long as the user holds down a key on the handheld key FOB and the red LED is solid the wireless instruction transmission of that depressed button will continue. Transmission of an instruction will cease immediately upon the a button release and is indicated by the red LED going from solid back to the 4 Hz flashing rate. Once the handheld key FOB detects no button press for two second it will turn off the red LED and shut down.

In the power down state any button can be pressed to power up the handheld key FOB transmitter.

Under normal situations the Electronic Runway will respond it's supplied handheld key Fob wireless transmitters. In the case that the Electronic Runway fails to respond check or note the following:

1. Make sure that the red LED on the key FOB transmitter is solid during a button press and not flashing.
2. To conserve power the Electronic Runway will enter into an hibernation mode after 2 minutes of non disturbance and will not respond to wireless commands from it's key FOBs. To enable the Electronic Runway to respond to wireless commands the user should disturb the Electronic Runway by tapping it, moving it, or changing it's orientation. The Electronic Runway will sense it has been moved, power up, and listen for wireless instructions.
3. There may be interference between another wireless devise transmitting on the same band.
4. The Electronic Runway is out of Range.
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