

AEROTECH
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LaunchTM

wireless launch controller
By **AEROTECH**

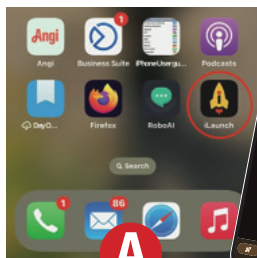
Revolutionary Development In Launch Controller Technology
Your Cell Phone Becomes Your Launch Controller

See back of package for more features & details.

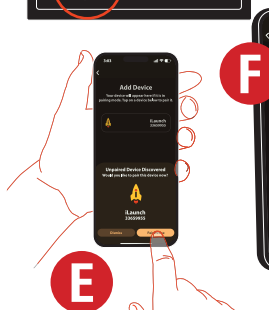




OPERATING INSTRUCTIONS



6. With the iLaunch control box initially powered off, press and hold the power button on the iLaunch for 2-3 seconds until the **flashing blue** light appears as seen in *illustration D*.



1. Download the iLaunch app from the Apple App Store or the Google Play Store and install on your mobile cell phone. You can use the QR code on the back of the iLaunch to link to the app on the store(s). *See illustration A.*
2. Open the app to see the screen shown in *illustration B*.
3. Press the "+ Add Device" button on the screen.
4. The "Add Device" screen will appear on your cell phone as seen in *illustration C*.
5. Ensure that the safety interlock key switch on the iLaunch control box is in the "DISARM" position as shown in *illustration D*. If it is not, insert the safety interlock key into the key switch, rotate to the "DISARM" position and remove the key.
7. The screen on your cell phone will display the "Unpaired Device Discovered" badge shown. Press the "Pair Device" button on the screen. *See illustration E.*
8. The "Setup Complete" screen will be displayed on your cell phone when the pairing is finished. *See illustration F.*
9. The "Setup Complete" screen will disappear and the "iLaunch Devices" screen will appear on your cell phone. A badge on the screen will indicate "iLaunch" with a device number and the word "Connected" in green, as seen in *illustration G*. Press the badge to open the iLaunch control screen. **NOTE:** To power on the iLaunch control box at any time after pairing and shutting off the box, press the "POWER BUTTON" momentarily.



10. The LED on the iLaunch control box should now be flashing green and the iLaunch control screen will display "No Continuity Detected" and "Output Disabled" at the top of the screen. *See illustration H.*

11. Connect the igniter clips to the rocket motor igniter. The LED on the iLaunch control box will now be solid green. The iLaunch control screen will display "Continuity detected" and "Output Disabled" at the top of the screen.

12. Ensure that all other individuals are at a safe distance from the rocket. Insert the safety interlock key into the key switch on the iLaunch control box and turn the switch to the "ARM" position. *See illustration I.*





13. The iLaunch control screen will display “Output Enabled” in addition to “Continuity Detected” and the “ARM” button and the “DISARMED” badge will now both be bright green. *See illustration J.*

14. Ensure that you and all other participants retreat to a safe distance from the rocket (at least 15 feet for motors up to ‘D’ size and at least 30 feet for motors up to ‘G’ size).

15. Use your left thumb to press on the “ARM” button on the iLaunch control screen on your cell phone. A loud tone will be emitted from your cell phone and the “DISARMED” badge will change to “ARMED” and will flash red, and the “LAUNCH” button will now be bright green. *See illustration K.*



16. When you are ready to launch your rocket, hold the “ARM” button down on the iLaunch control screen with your left hand and thumb, and at the same time use your right thumb to press and hold the “LAUNCH” button down as shown in *illustration L*. A 5-second countdown will begin and will continue until zero and then the word “IGNITION” will appear. An intermittent tone will be emitted from both your cell phone and the iLaunch control box. **NOTE:** If you release either or both thumb(s) from one or both of the two buttons, the launch sequence will be canceled and the countdown will be reset to 5 seconds. This process can be repeated as many times as necessary.



17. After the rocket has been launched, return to the iLaunch control box, use the safety interlock key to rotate the switch to the “DISARM” position (*See illustration M*) before hooking up another rocket. Repeat steps 11-17 to launch additional rockets.

18. To power down the iLaunch controller box, press the “POWER” button momentarily.



19. If you power off the iLaunch control box and turn it on again, it is recommended you shut down and restart the iLaunch app as well.

USING YOUR CONTROLLER

Follow the Launch Procedures provided with your Quest™ or AeroTech™ Model Rocket or Model Rocket Motors. Always follow the NAR Model Rocket Safety Code when launching your model rockets.

IGNITION TROUBLESHOOTING

If the launch controller fails to operate or if the rocket motor fails to ignite, try the following.

- Wait one full minute before approaching the launch pad and rocket.
 - Remove the safety key from the launch controller.
1. Check the micro-clips to be sure they are not touching each other, the blast deflector or anything else metal.
 2. Check the micro-clips to be sure they are not dirty. Usually after a few launches a black film will build-up on the micro-clip, which may cause poor electric

contact. Clean the inside jaws of the micro-clips with fine sandpaper or an emery board.

3. Check the “grip” of the micro-clips. If the springs of the micro-clips become worn, the jaws will no longer close tightly and may fail to make a good contact with the initiator. This can be corrected by squeezing the outside of each grip firmly after it is attached to your initiator.
4. If the motor fails to ignite, remove the initiator from the motor. If the black material at the end of the initiator has burned away, then the initiator worked, but failed to ignite the motor. Install a new initiator per the instructions included with it.
5. Cold temperatures also limit battery power. Be sure the battery is at least at room temperature (70 degrees) for best operation.

Important Note: The term “cell phone” as used in these Operating Instructions also refers to Apple and Android electronic tablets and other mobile devices.

The iLaunch Wireless Launch Controller requires **4 AA size 3.2 volt LiFePO4 (lithium iron phosphate) rechargeable batteries – NOT INCLUDED.** These inexpensive batteries and appropriate charger are available from some hobby retailers, on the AeroTech/Quest website at www.aerotech-quest.com, and on Amazon.

ADDITIONAL BATTERY WARNING

DO NOT USE standard AA size 1.5 volt alkaline or lithium batteries or rechargeable lithium ion batteries, as these batteries will not work properly or could damage your iLaunch Controller.

Scan the QR code for Additional iLaunch Information including battery installation, use of Velcro strap for attaching iLaunch control box to launch pad, Drag Race instructions, Troubleshooting Tips, and more.



SCAN ME

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Launch[™]
wireless launch controller
By **AEROTECH**

Completely wireless between you and your rocket on the launch pad.

No more messy launch cable to deal with.

Your cell phone becomes a launch controller.

iLaunch app works on all Apple iOS and Android 7.1 phones and newer. The iLaunch app is available in the Apple App Store or Android Google Play.

Small iLaunch control box attaches directly to your launch pad and allows you to confirm initial continuity.

Requires 2-handed operation just like a professional launch controller.

iLaunch control box features multiple safety interlocks including an armed/disarmed safety key.

Once armed the control screen features a blinking Armed indicator.

Launch sequence can be stopped at any time by removing your thumbs from either the Arming and/or Launch buttons.

iLaunch app confirms connection with launch pad, signals Armed Status, initiates a 5 second countdown and launches your rocket.

The iLaunch disarms itself after lift-off.

iLaunch uses short-range wireless technology and FailSafe user ID coding to lock-in and assure control only by you.

iLaunch has a range up to 150 ft. from the launch pad.

iLaunch "Drag Race" feature allows you to control multiple launch pads at the same time.

Perfect for launching model rockets, mid-power kits and high-powered rocket vehicles using up to "I" size rocket motors.

EXTREMELY IMPORTANT – PLEASE READ!

The iLaunch Wireless Launch Controller requires 4 AA size 3.2 volt LiFePO4 (lithium iron phosphate) rechargeable batteries – **NOT INCLUDED**. These inexpensive batteries and appropriate charger are available from some hobby retailers, on the AeroTech/Quest website at www.aerotech-quest.com, and on Amazon at the following links:

Amazon batteries link:
<https://a.co/d/3MpSpTx>

Amazon charger link:
<https://a.co/d/6gDZHQI>

DO NOT USE standard AA size 1.5 volt alkaline or lithium batteries or rechargeable lithium ion batteries, as these batteries will not work properly or could damage your iLaunch Controller.



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QUEST
AEROTECH
Shaping the Future of Model Rocketry

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iLaunch[™] Wireless Launch Controller
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