ASTM Add-on Remote Control Configuration

One of the important features of the ASTM Add-on is the ability to trigger the deployment of the SafeAir device using a remote control. This guide will instruct you on how to configure your external remote control and receiver to work correctly with the SafeAir device using the ParaZero Desktop Application.

Please make sure you have downloaded the ParaZero Desktop Application and you are familiar with it. You may find the guide for the ParaZero Desktop Application on the SafeAir device webpage.

Remote control and Receiver pairing

You may use any remote control and receiver adequate to your requirements. When choosing the FIRE switch on your remote control, it is advisable to choose a knob or a switch with a guard to eliminate inadvertent parachute deployment. The ASTM Add-on RC cable should be connected to the preconfigured channel, as instructed on the ASTM Add-on manual found on www.parazero.com/ASTM.

You may find manuals of various remote controls and receivers under the following links:
FrSky – https://www.frsky-rc.com/download/

The following remote controls were tested and verified by ParaZero:

- Futaba T14SG
- Futaba T8FG Super
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1. After installing the ASTM Add-on together with the SafeAir device on the drone, turn your SafeAir device ON using the toggle switch on its side. After about 20 seconds, its initialization sequence will complete and the LED will turn blue. Connect it to the computer using the provided USB-C cable. Open the ParaZero Desktop Application, the following screen will appear:
2. Type the serial number of your SafeAir device on the “Unlock ASTM Package” section on the lower right section of the screen. You may find the serial number on the side of the SafeAir device:

3. Make sure you type the correct serial number, as entered on the ASTM registration form, which corresponds to SafeAir ASTM Compliance Documentation. If any inconsistency exists the following message will appear. Please contact ParaZero support support@parazero.com.
4. After you have unlocked the ASTM package, the “Remote Control Operations” box will appear on the upper right corner of the screen:

5. Check the “Trigger channel” box:
6. Press the “Apply” button, the system will restart:

7. Configuration of the FIRE switch on your remote control – SAFE mode: Adjust the PWM signal on the trigger channel with your remote until the value received by the system is less than 1,500. The recommended value is 1,000 for Safe Mode and press “Apply”: 
8. Configuration of the FIRE switch on your remote control – FIRE mode: Adjust the PWM signal on the trigger channel with your remote until the value received by the system is more than 1,500. The recommended value is 2,000 for Safe Mode and press “Apply”. While the channel is activated the application will show a warning message under system status “Check RC connection and switch position”, to inform you that it detects an activation signal. In addition the LED will blink once in yellow instead of being solid blue.

9. Your ASTM Add-on is now properly configured.