TelemetryPro® Firmware Update 2.0

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Firmware Release Notes for the Receiver

Version 2.0.0 Released April 2015

1. A new flight data recorder feature now saves all of the data from four flights. The data can be downloaded and plotted using the same TelemetryPro software program as for the transmitter. This makes sure flight data is captured even if the transmitter gets destroyed by a flight mishap.

2. A new map mode feature allows the receiver to show the rocket location in real time on a Google Earth map displayed on a tablet or laptop computer. Map mode will also display the location from a recalled flight. This can make it easier to plan a route to recover the rocket.

3. The built-in GPS locator can now navigate to the landing site of a flight that has been saved and recalled. This allows the receiver to be turned-off during recovery when not needed. It also makes it easier to share the receiver among several users at the same launch.

4. A new audio recorder/player capability in the receiver will now record and replay the Kate flight commentary from four flights.

5. The Kate system has been enhanced to detect and announce staging events in real time. Kate also now detects and reports when the apogee charge fires and when the main parachute deployment charge fires. Kate will now also report the altitude and velocity of a shred.

6. The receiver is now compatible with the new three digit transmitter ID codes.

7. Future receiver firmware updates can now be done by the user over the USB interface.

Firmware Release Notes for the Transmitter

Version 2.0.0 Released April 2015

1. The transmitter ID codes have been changed to three digits. Every transmitter is now assigned a unique ID code in order to avoid conflicts at a large launch. This eliminates the need to coordinate frequency usage with other TelemetryPro users at a launch.

2. The transmitter settings have been optimized to help extend the range past 150,000 feet.

3. Accelerometer signal processing has been improved to allow velocities above 4000 feet/sec.

4. Added accelerometer detection of staging events, a shred event, the apogee charge firing and the main parachute deployment charge firing.

5. Future transmitter firmware updates can now be done by the user over the USB interface.