Binding (1) Setup

Video:https://www.youtube.com/watch?v=FZsHGEW2zPY&feature=youtu.be

1) Insert bind plug to the receiver.

2) Provide power to the unit.

3) Enable bind mode in transmitter and ensure distance separation of 2 meters from receiver.

4) Remove bind plug.

Binding (2 - Enable 11ms frame rate for high speed digital servo) Setup

1) Insert 2 bind plug to the receiver binding location.

2) Provide power to the unit.

3) Enable bind mode in transmitter and ensure distance separation of 2 meters from receiver.

4) Remove bind plug.

5) Every time when the units are powered, quickly flashing green light indicates 11ms frame rate is enabled.

Failsafe Enable

Video:https://www.youtube.com/watch?v=FyW1v12dv_k

1) Insert bind plug to the receiver.

2) Provide power to the unit.

3) Press the side pushbutton for memorize current position in Failsafe mode.

4) Green light will turn on at the bottom of the receiver to indicate Failsafe is successfully enabled.

5) Remove bind plug.

Failsafe Disable

Video:https://www.youtube.com/watch?v=xpb1tvBvA2E

1) Rebind the receiver without pressing the side pushbutton will disable the Failsafe mode.

2) Green light off indicates Failsafe disabled.

HUART Output (High speed UART for UAV or quad-flyer application)

TX port (UART, 115200bps, 8N1)

Condition 1)　　UART output specification when no signal received (device reset and continuously monitor for valid signal roughly about every 0.5 sec):

　　　　　　　　- <0x13><'R'><'E'><'S'><'E'><'T'><0x13>

　　　　　　　　- <0x13> is used as header for beginning and ending identifier

Condition 2)　　UART output specification when signal is received (updated ~11ms with 2048/11ms DSM2 protocol with 12 bytes of information):

　　　　　　　　- <0x13><Throttle><Aileron><Elevator><Rudder><Gear><Aux1><Aux2><Aux3><Aux4> <Aux5><0x13>

　　　　　　　　- DEC(0) ~ DEC(255) refer to the approximate value for each of the full range control output for the channels.

　　　　　　　　- <0x13> is used as header for beginning and ending identifier

　　　　　For example: if all channels are centered except throttle shutdown and AUX is maximized, the UART should output the following.

　　　　　　　<0x13><DEC(255)><DEC(127)><DEC(127)><DEC(127)><DEC(127)><DEC(127)><DEC(127)>

<DEC(127)><DEC(127)><DEC(127)><0x13>

More about failsafe

For Lemon Rx 10 channels receiver, failsafe is available for all channels and some user may found it useful (for robotics application or UAV).

When bind plug is still plugged after successful binding, pressing the mem. button will cause the receiver to memorize all channels settings at the time the button is pressed for use in failsafe. **If the failsafe is enabled correctly, green light should be on at the bottom of receiver.** Press mem. button again while bind plug is plugged will cause the green light to turn off. This indicate the failsafe mode is disabled. Take the bind plug out before flying!

Even in the event of power disconnected, failsafe settings are still saved and will restore to its functions accordingly when power is provided.

About failsafe enabled:

When the primary receiver and satellite receiver is unable to detect any RF signal for continuous time interval of approximately 3 seconds, all channels will be restored to the saved setting. At this point the receiver will try to find valid RF signal. If valid signal is detected, the receiver will use the valid signal immediately.

If you don't like failsafe, make sure green light is not on before flying!