Thank you for purchasing the Admiral RX600SP DSMX™ Compatible Receiver with 6-Axis Stabilizer from Motion RC! Here is a quick guide to begin using your product. Visit www.HobbySquawk.com for more information.

**INSTALLATION** – The Admiral RX600SP must be installed on a surface that is horizontal when the model is in normal level flight attitude. The long axis of the unit must be aligned with direction of flight and the servo connectors should be to the rear of the aircraft. **NOTE:** It must be installed in an upright facing position. See “pre-flight testing” below and watch the following video: https://youtu.be/a6ZaxkxoGUG

**BINDING** - Follow the process below to bind the Admiral RX600SP receiver to your radio transmitter:

1) Insert a bind plug into the port labeled “BIND/AUX2” and then apply power to your receiver.
2) Hold down the bind button on your radio transmitter, and power on the radio transmitter.
3) The red LED at the bottom of the receiver will change from quick strobe to slow strobe.
4) Release the bind button. After a moment, the red LED will turn solid. The receiver is now bound.
5) Remove power from your receiver. Turn off your radio transmitter.
6) Remove the bind plug from the “BIND/AUX2” port. This port can now be used as a fully functional 7th channel (AUX2)
7) Completing this procedure will result in a 7 channel receiver, with all stabilization turned OFF.

**ACTIVATING STABILIZATION** (i.e. 7 channel receiver with “Stabilization Combo A” turned ON)

1) Move dip switches “J4” and “J5” to “ON”, furthest from the servo ports. (v-tail should turn on J5 only and delta wing planes should turn on J4 only ). See chart below:

![Stabilization Dip Switch Chart](image)

2) In your radio, navigate to “Mixes” and create a Mix as shown below. Mix I (bind) to GER. Rate 0% and 5%
3) Verify that the default GER settings on the “Travel” screen are unchanged. They must match this screen:

![Screen Image]

Following the instructions above, your receiver’s Stabilization Modes are now enabled, and depressing the BIND button on your radio will toggle between the two Modes of the selected Stabilization Combination. Your RX600SP receiver can be programmed for any of three “Stabilization Combinations”, Combo A, Combo B, or Combo C, according to your preference. The default Combo delivered with your receiver is Combo A:

Releasing the BIND button = Gyro ON, the Green LED on the receiver is illuminated

Holding the BIND button = Recovery Mode ON, the Red and Green LEDs on the receiver ALTERNATE

SELECTING A DIFFERENT “STABILIZATION COMBO”:

Your Admiral RX600SP receiver can be programmed for any of three “Stabilization Combinations”, according to your preference. To select another Combo:

1) Insert a bind plug into the port labeled “BIND/AUX2”.
2) Insert a second bind plug along the three signal pins of channels “RUDD”, “GEAR”, and “AUX1”.
3) Apply power to your receiver.
4) Single LED Indicator: Observe the illuminated LED alongside the micro-button. This micro-button can be tapped for less than one second to toggle between a Blue LED (Advanced Recovery mode) and Green LED (Beginner Recovery mode). “Beginner” recovers aircraft at slower speeds more smoothly.
5) Double LED Indicator. Observe the alternating Red/Green LEDs. These LEDs alternately flash seven times, then display a Pattern for 2-4 seconds, before beginning the alternating flash sequence again. This Pattern displays which “Combo” the receiver is set to provide. To toggle between different Combos, depress the micro-button for two seconds until the Double LED Indicator turns off completely, then begins to display the next Combo.

**Combo A: (Default) Gyro On / Recovery. LED “Pattern” = Green displayed for two seconds**

**Combo B**: Gyro Off / Recovery. LED “Pattern” = Red and Green displayed together for two seconds

**Combo C**: Gyro Off / Gyro On. LED “Pattern” = Green for two seconds, then Red for two seconds

6) When satisfied with the Combo being displayed, remove receiver power and remove the bind plugs.

**VISUAL IDENTIFICATION OF MODE STATUS**

At all times, the receiver’s Double LED Indicator will show you which Mode the receiver is currently in:

Solid Green = Gyro Mode ON

Solid Red + Green = Gyro OFF

Alternating Red and Green = Recovery Mode ON
PRE-FLIGHT TESTING

As with every component of your RC aircraft, we recommend extensively testing all functions of the product on the ground before flight. Incorrect installation or configuration of this receiver can result in damage, personal injury, and/or loss of the aircraft. Make sure direction of servo travel is checked by with the plane in your hand. Direction of servo travel should be tested in both recovery mode and stabilization mode. For example, pitching the nose of the plane up should result in the gyro moving the elevator down. Remove prop during testing. See chart:

To supplement this Quick Start Guide, see the product page for updated manuals and videos. If you have any questions of how to utilize your Admiral RX600SP Receiver, please contact our friendly and knowledgeable Customer Support Team at 224-633-9090, Monday-Friday 7:30AM-6:00PM CST, or contact the Chat Team at www.motionrc.com during business hours.

- This is not a Spektrum™ DSMX™ product, nor is it a copy of a Spektrum™ DSMX™ product.
- Admiral receivers are designed to be compatible with Spektrum’s™ DSMX™ product.
- The Spektrum™ and DSMX™ brands are a trademark of Horizon Hobby, Inc.

RX600SP fail safe functionality and programming

The built in "all channel" fail safe can be set after binding. The bind plug must remain inserted into the receiver. Briefly pressing the programming button on the RX will cause the receiver immediately memorize every channel’s current position and these positions will be used for fail safe. When the fail safe position is memorized, the light will turn green. During normal operation, when no signal is received for about 2 seconds, fail safe will activate and put all channels to the fail safe position.

If you ever want to disable it, bind again and without removing the bind plug and briefly press the programming button. The green light will go off which means fail safe has been disabled.