

2.4GHz Single Line System Receiver

MAXIMA SL



Instruction

Version 1.0



Caution

Maxima series is designed for Hitec Hi-Response Radio such as Aurora 9X/Flash Series radios, please check the compatibility. (Aurora 9/Optic series cannot be used with Maxima series receiver) And, please USE ONLY Digital SERVO for your purpose. Analog servo cannot be used with Maxima SL

Introduction

Thank you for your purchase of the Hitec Adaptive Frequency Hopping Spread Spectrum (AFHSS) 2.4GHz receiver system. This manual contains the complete directions on how to use the Maxima SL receiver. We encourage you to review the entire manual before using these products.

Service & Support Hitec Customer Service

Help is available from the Hitec office through phone support and e-mail inquiries. Our US office is generally open Monday thru Friday, 8:00AM to 4:30PM PST. These hours and days may vary by season. Every attempt is made to answer every incoming service call. Should you reach our voicemail, leave your name and number and a staff member will return your call.

Hitec Website

Make plans to visit the Hitec website, www.hitecrcd.com, on a regular basis. Not only is it full of specs and other information about the entire Hitec product line, our website's FAQ pages will eventually hold valuable information and program updates about the Spectra 2.4 module and Maxima SL receiver.

The On-Line Community

One of the benefits of the extensive R/C online community is the vast wealth of archived knowledge available. Hitec sponsors forums on most of the popular R/C websites where a Hitec staff member or representative tries to answer all manner of product related questions. Bringing together strangers with common interests is proving to be one of the greatest gifts of the internet. If past history is any guide to the future, we are certain forums will be started about the Hitec 2.4 system and several are certain to stand out as valuable archives of information.

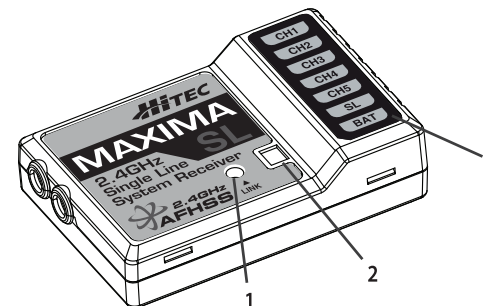
Warranty and Non-Warranty Service

All Hitec products carry a two year from date-of-purchase warranty against manufacturer's defects. Our trained and professional service representatives will determine if the item will be repaired or replaced. To provide all the necessary information we need to administrate your repair, visit our website at www.hitecrcd.com and download the repair form, fill it out and send in your item for repair.

Maxima SL Receiver Specifications & Features

Full Range AFHSS 2.4GHz Receiver

Receiver Model	Size	Weight	Stock Number
MAXIMA SL	1.45 x 0.96 x 0.57in (37 x 24.4 x 14.6mm)	0.28oz (8.1g)	27526



1. Function Button

– Used for binding the receiver to a module or Hitec 2,4 built-in transmitters, entering the FAIL-SAFE or Hold feature.

2. Dual LED Status Indicator

– Indicates the set-up process codes and current status of the receiver.

3. PWM Channel, Battery slots and Single Line Input Ports

– Maxima SL has 5 slots for PWM (Ch 1~ Ch5), 1 slot for Batteries and 1 slot (Ch 6) for Single Line connection.

4. Low Battery Warning

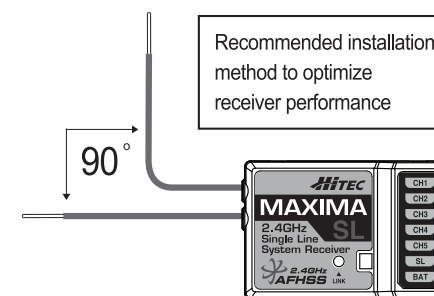
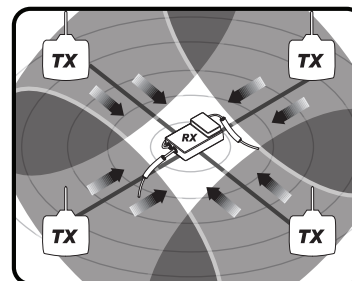
– If once receiver's battery levels reach below 3.6V, RED LED will be flashing.

5. FAIL-SAFE/Hold Mode Selectable

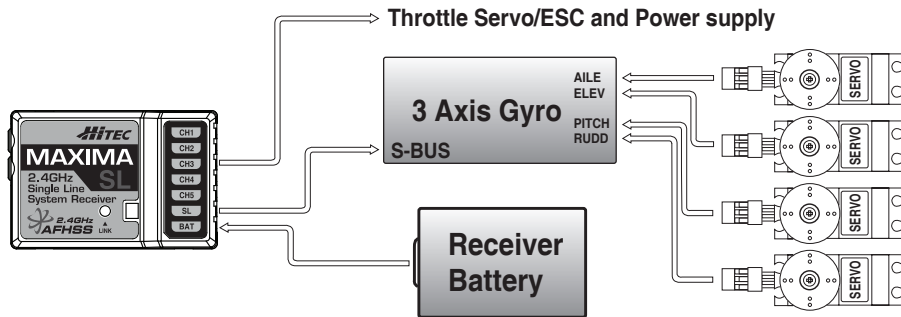
– Servos and other accessories position can be set with a FAIL-SAFE point, if power to the receiver is lost. See next page for details.

Introduction

Thank you for your purchase of the Hitec Adaptive Frequency Hopping Spread Spectrum (AFHSS) 2.4GHz receiver system. This manual contains the complete directions on how to use the Maxima SL receiver. We encourage you to review the entire manual before using these products.



Single Line Connection Diagrams



Note Please select 'S-Bus' on Gyro software when SL slot is connecting to 3 axis gyro. When you use MAXIMA SL with other brand's devices, some of functions of devices may not operate perfectly. Please check fully functions before the flight.

Link (ID-Setup or Bind)

Your Hitec AFHSS system uses a communication protocol that links and binds the Hitec 2.4GHz receiver to your transmitter. Once the receiver and module are "bound", no other transmitter can interfere with your receiver during its operation. In the case of multiple model memory transmitters, you can bind as many Hitec 2.4GHz receivers to your transmitter, one per model memory as necessary. Each module and receiver set is paired at the factory for your convenience.

Use one of the following binding methods to bind additional Hitec 2.4GHz receivers to your transmitter.

Bind for Aurora 9X

- Turn On the transmitter, and touch the "Yes" in Transmitter
- Touch the System menu,
- Touch the "Spectra" icon,
- Select the Maxima on the Receivers series menu, and touch the "SEL" icon and then touch "Yes" for confirm
- Touch "Binding" icon, and then touch "Yes" for Binding
- Press and hold the link button on Receiver and turn on the power and Release the link button and Maxima Both RED and BLUE LEDs will be blinked rapidly to find the transmitter signal
- When LED blinking is stop, press [OK]
- After reboot receiver, please check turn on Blue LED on receiver and If all function work well touch "Finish" icon on screen to finish binding

Bind for Flash Series

- Turn On the transmitter, and select the "Yes" in Transmitter
- Select the System Menu
- Select the "Spectra" Menu
- Select the Maxima on the Receivers series menu
- Select "Binding" Menu, and then select "Yes" for Binding
- Press and hold the link button on Receiver and turn on the power
- Press and hold the link button on Receiver and turn on the power and Release the link button and Maxima Both RED and BLUE LEDs will be blinked rapidly to find the transmitter signal
- When LED blinking is stop, select "OK"
- After reboot receiver, please check turn on Blue LED on receiver and If all function work well select "Finish" menu on screen to finish binding



Caution

If all function "Do not" work well, Please go back to step "e" and repeat the binding again

Fail safe mode.

- Switch on transmitter and receiver .
Wait for the system to boot and gain control over the model.
- Press and hold the button on the receiver until the LED turns off (approx. 6 seconds)
- Release the button, After 2 seconds, both RED and BLUE LEDs blink alternately.
The receiver will count 5 seconds, during that time, move all the transmitter sticks and other controls to the desired FAIL-SAFE positions (e.g. motor idle, control surfaces neutral). Hold until blinking stops.
- When blinking stops, the system will temporarily remember the FAIL-SAFE position. Turn off the system to save and exit.

Testing the FAIL-SAFE Setting

- Move the sticks to positions other than the FAIL-SAFE settings, and then switch off the transmitter.
The servos should now move to the FAIL-SAFE positions previously stored, after the 1 sec HOLD period

How to turn FAIL-SAFE O_ and reactivate the Hold Mode

- Switch on the transmitter, then the receiver. Wait for the system to boot and you have control over the model.
- Press and hold the receiver function button for 6 seconds and release it. After 2 seconds the red and blue LEDs will blink rapidly.
- Immediately press the button once.
- FAIL-SAFE Mode is now deactivated and HOLD mode is activated.
- Turn the transmitter off, then the receiver off.
- Turn the system back on to use it.



Note

If FAIL-SAFE is deactivated, the FAIL-SAFE position settings are also deleted!
The FAIL-SAFE settings should be checked every time before you run the engine/motor.

Hitec Service

12115 Paine St. Poway CA 92064

1-858-748-6948

E-mail: service@hitecrd.com

