

8 Channel Receiver

Hitec 2.4GHz Compatible

Thank you for your purchase of this high quality compatible receiver. This receiver has been designed to be a compatible equivalent of the Hitec Minima line of receivers but with an increased specification. As this is compatible with the Minima line of receivers, please ensure that your Hitec 2.4GHz transmitter and/or module support the ability to connect to Minima receivers. For most units, it is likely they have this ability. However for older units, if not already done so, they may need their software updating to support it.

If your transmitter or module does not support the Minima receivers, you will need to update its software. This is usually can be done by using a manufacturer's commercially available PC interface. For more information on this, please contact your local relevant distributor of your transmitter or module and ask for assistance on updating it.

Linking the Receiver to your Transmitter

Please note that this is only a general procedure. If in doubt, please also refer to your transmitter or module instructions.

1. Put your transmitter into link mode.
Usually this is done by pressing the button on the transmitter module and turning on the transmitter.
2. Ensure that your transmitter is in non-telemetry receiver link mode.
This can be done by looking on the transmitter module's status light. If it is flashing Blue, it is in the correct mode.
If it is flashing Red, you will need to change mode. To do this, press the button on the transmitter module for around 2 seconds. The status light should change between the two modes. If your module has old software, it may not be able to switch modes.

3. Press and hold the button on the receiver and then power up the receiver.
4. While the receiver is searching for the transmitter module, the Green light on the receiver will flash slowly.
5. Once the receiver is successfully linked to the transmitter module, the Green light on the receiver will flash rapidly.
This should only take a couple of seconds and is usually instant. If in doubt, try increasing the distance from the transmitter modules antenna and the receiver. It is recommended to have the receiver between 50cm and 2m away from the transmitter when linking.

Setting the Receivers Failsafe

By default, if the receiver loses contact with your transmitter it will stop driving the servos and the Red light will flash. If you lose radio contact you may wish to have the servo's driven to a predefined location. To set this, please follow the instructions below.

1. Ensure that your Transmitter is powered on and transmitting and the Receiver is on and receiving a signal (Red light lit constantly).
2. Ensure that all the transmitter sticks are at the correct locations that you wish to have set up in the event of radio loss.
3. Press and hold the button on the receiver.
4. After 5 seconds the Red light should be lit with the Green light flashing rapidly.
5. Release the button and power cycle the receiver.

If you wish to revert to the default mode, simply relink the receiver as in the previous section.

PPM and RSSI Output Mode

Some advanced users may wish to connect the receiver to specialist devices that take PPM and/or RSSI information. Please ensure that the device supports this mode before operating, as incorrect connections or operation could cause damage and/or physical harm.

1. Put your transmitter into link mode.
Usually this is done by pressing the button on the transmitter module and turning on the transmitter.
2. Ensure that your transmitter is in non-telemetry receiver link mode.
This can be done by looking on the transmitter module's status light. If it is flashing Blue, it is in the correct mode.
If it is flashing Red, you will need to change mode. To do this, press the button on the transmitter module for around 2 seconds. The status light should change between the two modes.
3. Connect a jumper between the top pins of servo connector 3 and 4.
4. Press and hold the button on the receiver and then power up the receiver.
5. While the receiver is searching for the transmitter module, the Green light on the receiver will flash slowly.
6. Once the receiver is successfully linked to the transmitter module, the Green and Red lights on the receiver will flash rapidly.
This should only take a couple of seconds and is usually instant. If in doubt, try increasing the distance from the transmitter modules antenna and the receiver. It is recommended to have the receiver between 50cm and 2m away from the transmitter when binding.

Notes:

- When the receiver is receiving a signal from the transmitter (i.e. the Red light is lit constantly) in PPM and RSSI output mode, the Green light will also be lit.
- The PPM signal is outputted on servo connector 1.
- The RSSI signal is outputted on servo connector 2.
- *Do not* connect conventional servos or ESCs to the PPM and RSSI servo connector outputs. Doing so, may burn out and destroy the servo.
- Some devices may need a low-pass filter or buffer on the RSSI output. Please consult the devices' instructions or manufacturer for help or advice on this.
- As the PPM signal is usually used to drive the primary flight controls, servo connector channels 5, 6, 7, 8 will shift to become channels 6, 7, 8 and 9 respectively to allow additional auxiliary devices to be connected.
- To disable PPM and RSSI output mode, rebind the receiver as normal using bind jumper lead between channels 5 and 3.
- In the event of a signal loss, by default the PPM output will stop. If a failsafe is needed, set the failsafe as in the previous section using the link jumper lead between channels 5 and 2.

Notice

This unit is *not* designed, manufactured or supported by Hitec. This third party unit has been designed to be compatible with the Hitec product range of transmitters which may change specification at any time. Any support or assistance required can only be conducted through the original supplier of this unit.

This unit is only for remote control of model aircraft, model boats and model cars. As this is an individual part of a system that is integrated by the end user, it is the end users responsibility for the suitability and safety of use of this part. Errors and mistakes by the end user can result in serious personal and third party injury and damage to property outside the control of the manufacturer. Please act responsibly.

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