

# *Iftron Tech*

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## YellowJacket Pro 5.8

### Operating Manual

Rev-B

**Introduction:** The YellowJacket 5.8 Pro is the last word in diversity receivers. We have spent the time to take this product to the next level, with advanced features to delight users and enhance receiver operation. A few minutes spent reading this manual will greatly enhance your experience.

#### Features:

1. 7 channels from 5.740 to 5.860 GHz in 20 MHz steps.
2. All 7 channels displayed directly without a channel group selection menu.
3. Exclusive field strength meter (RSSI meter) built in. This feature aids in evaluating setups and antenna placements. The 7 channel indicators are used to indicate signal strength when not being used to show the current channel. This feature can be turned on/off by the user menu.
4. Exclusive automatic battery saver. Upon turn-on, the unit determines the number of lipo cells (2 or 3) and warns of an impending shutdown to protect the battery. This feature can be turned on/off by the user menu.
5. Ships with 2 custom single-band 5.8GHz whip antennas. Each has a **yellow identifying ring**.
  - **Do not** remove this ring or they will quickly become confused with ordinary antennas. Ask us how we know.
  - **Do not** use other antennas even if they say they are for 5.8GHz use because most are actually dual band and will not perform well.
6. The option menu system is easy to use and uses the channel and antenna LED's to indicate each yes/no as well as menu choices.

**\*Special Note on antennas:** modern 2.4GHz remote transmitters put out peak pulse power of 2 watts or more. This is enough power to punch through the

inputs of most microwave receivers at close range and cause problems. **Your first line of defense** is to use antennas that has some rejection to 2.4GHz radiation. Dual-band antennas **will not** do this job.

## Understanding The Multipurpose Displays



The YellowJacket Pro 5.8 has two LED multipurpose displays:

### 1. Antenna/Menu Choice Display:

- In Normal Mode, displays which side of the receiver is currently active.
- In User Menu Mode, it displays the present on/off choice for user settable options.

### 2. Channel/RSSI\*/Menu Display:

- In Normal Mode, displays the present channel.
- In RSSI (field strength) Mode, indicates the received signal strength.
- In User Menu Mode, flashes to indicate the present menu item.

**\*Note:** The RSSI Mode can be user configured to be on or off. When the RSSI mode is **on**, briefly pressing the button changes modes to display to the present channel. The display will return to the RSSI Mode automatically after a few seconds. When RSSI Mode is configured **off**, the display continuously indicates the present channel.

### To Change the Channel:

**Note:** If the RSSI mode is active, first briefly press the button to return the display to the channel display mode. Each brief button press will advance the channel. The unit will then revert to the RSSI mode in a few seconds. Your channel choice will be saved in non-volatile memory for the next session.

## User Settable Options (User Menu Mode):

The following list of user settable options is in LED display number order:

- 1. Sound On/Off:** Allows you to turn the system beeper ON or OFF. **Factory default is sound ON.**
- 2. Low Battery Alarm and Shutdown:** Allows you to turn the low battery alarm ON or Off. The alarm is designed for automatic 2 and 3 cell Lipo battery protection. When **ON**, the receiver will automatically detect the number of cells and beep when the battery is almost empty. The receiver will then shut off if the battery voltage drops much further. Note: if you turn the **sound off**, the low battery alarm will not sound before the receiver shuts off. **Factory default is battery alarm and shutdown OFF**
- 3. RSSI Meter On/Off:** Allows you to turn the RSSI (signal strength) meter **ON** or **OFF**. The RSSI meter displays the strength of the incoming signal by making use of the lights in the channel multipurpose display. When active, the present channel may be displayed again by briefly pressing the button. The RSSI meter will return to the display in a few seconds. **Factory default is ON.**
- 4. Picture Interleave:** This feature makes the video a blend of both antennas when the two signals reaching the receiver are nearly the same in quality. This may further improve the picture on some monitors. **Factory default is OFF.**

## How To Change The User Settable Options:

To enter the User Menu Mode do the following:

1. Start with the receiver **OFF**.
2. **PRESS and HOLD** the button. (Receiver will enter User Menu Mode) **Release** the button.
3. Observe that LED #1 flashes, indicating that you are at user option #1. **Briefly press** the button until the LED corresponding to the setting you wish to change illuminates. (Refer to the **User Settable Options** list above for the number of the option).
4. Observe that the **Yes / No** LED's on the antenna display will tell you what the presently stored choice is. Example: If the Sound Option is presently set to **ON**, the **left** LED will be on indicating **Yes**.

5. To change a setting, **press and hold** the button until the **selection mode** is entered.
6. **Briefly press** the button to change your option choice.
7. **Press and hold** the button to store the choice and return to the main menu.
8. When you are satisfied with your choices, from the main menu **press and hold** the button to exit the menu and restart the receiver.

Note: As each choice is made, each setting will be saved in non-volatile memory.

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