

Helpful Accessories

In addition to R/C systems, many manufacturers make optional accessories that expand your capabilities.

Battery Eliminator Circuitry (BEC):

This circuit taps into the model's motor battery to supply regulated power to the receiver, eliminating the need for a separate receiver battery.

Electronic Speed Control (ESC):

Electronic Speed Controls replace the mechanical speed control and throttle control in an electric model, providing greater precision and more efficient use of power.



Frequency Modules:

For some radios, a frequency module plugs into the transmitter and lets you change its broadcast channel number.

Servo Arms:

These connect the servo to either a pushrod or cable. Some styles have adjustable length.

Servo Gear Sets:

Losing a few gear teeth in a crash can make a servo useless. Replacement gear sets let you fix the servo yourself.

Servo Case Sets:

A broken servo case can let dirt, water or fuel reach the sensitive electronics.

Servo Connectors/Adapters:

Most manufacturers offer servo plugs compatible with their radio systems so you can adapt other brands to it or repair damaged plugs.

Servo Extension Cable (Aileron Extension Cord):

These simply increase the distance between a servo and the receiver. Note: 12" and longer servo leads may cause radio interference, requiring chokes or radio noise traps.

Y-Harness:

Two servos can be plugged into one channel with a Y-harness. They'll then operate simultaneously for greater strength.

Servo Trays:

Servos can be mounted in a tray for easy installation and vibration protection.



Vertical Servo Tray



2 + 1 Servo Tray

Trainer Cord:

A trainer cord links the trainer systems of two radios. New pilots can practice with confidence, knowing their instructor will take over control if needed. Note: Not all trainer systems are compatible, and the connectors on different brands of trainer cords may be different. Check the instructions of both radios before purchasing a cord.

R/C Radio Bands

1. Aircraft Use Only

(72 megahertz, Channels 11-60). This is the most popular choice for flying models. Most radios designed for model aircraft and helicopters will be available on these channels.

2. Surface Use Only

(75 megahertz, Channels 61-90). Cars, boats, and other non-flying models must use one of these channels. Surface radios are available on 27MHz as well as 75.

3. All Uses

(27 megahertz, Channels A1-A6; 50 megahertz, Channels 01-09; 2.4GHz). While legal for air or surface use, we recommend that 27MHz be used only for surface models. A pilot and driver broadcasting on the same 27MHz frequency would cause interference and could cause a crash. 50MHz channels can be used for R/C, but require the user to attain a Technician-class amateur radio license from the FCC. The 2.4GHz band is used for both air and surface spread spectrum radio systems.

ORDERING Your Radio

When you order an item that has a frequency channel choice (such as radio systems, receivers, modules, crystals, etc.), the last 2 digits of the stock number will be asterisks. For example, the stock number of a Tower 4-TH 4-channel radio is TOWJ41**. To order a radio on a particular frequency channel, check the chart at right. Replace the 2 asterisks in the stock number with a channel number that corresponds to either air or surface use. In our example, if you wanted the Tower 4-TH 4-channel on channel 35, you would change the stock number from TOWJ41** to TOWJ4135. If you have no preference, just leave the asterisks.

To select the best channel number (frequency), first consider what you are using your radio for. Some channels are reserved for aircraft use and some are only for surface model (boat/car) use. Choose your channel number accordingly. Check your local area and talk to the people you fly or race with — some channels in certain areas are subject to interference because of other radio broadcasters on nearby channels.

When ordering a radio system, please note a 2nd and 3rd channel choice as alternatives in case your first choice is temporarily out of stock. If you are calling in your order, the sales representative will be able to tell you right away if your channel number choice is in stock or whether an alternative choice is required. Of course, if you only have one choice, we will send it if it is in stock. However, if you furnish only one channel choice and it is not in stock, we will backorder that channel even if other channels of that particular radio are in stock. (Some radios and channel choices may not be backordered.)