



Jeff Troy

# Flight Report

## Spektrum's DX7

**Spread Spectrum Technology is here — with all the operating range you need.**

Spektrum's DX6 was the first RC system to offer 2.4GHz Spread Spectrum Technology for model aircraft. The advantages were immediately clear — no crystals, no synthesizers, no frequency pins, no metal-to-metal or ignition glitches and no accidental shoot-downs.

With approximately 1,500 to 2,000 feet of range, the DX6 was great for park flyer and other small aircraft, but the new technology was so perfect that fliers immediately wanted more — more channels, more features and greater range. Once again, Spektrum comes forward with technical innovation, reliability and affordability, and this time it comes in a seven-channel computer system with all the range modelers need.

The new DX7 is a full-range, full-feature system with seven channels, 20-model memory and two flight modes.

It's a remarkable radio, and 2.4GHz makes it as close to truly bulletproof as any radio system could promise. There's no longer any reason to worry about who may be on a given frequency at any given time. The DX7 selects two open frequencies



from something like two billion frequencies every time it's turned on, and the chances of a shoulder-to-shoulder buddy being on the same ones are all but impossible.

Programming is very easy to learn. Once a modeler understands how to access the transmitter's two basic operating modes, Setup and Function, making changes

within these modes is intuitive.

Four keys handle the programming. Two are momentary-contact rocker switches and the others are buttons. Setup mode allows users to select one of up to 20 available models and select a flight mode — airplane or helicopter. The DX7 system's Function mode

lets users program each model's specific settings. These include control rates, surface deflections, sub-trims, exponential rates and various mixing options.



*DX7 control switches are in traditional locations. Left side of the transmitter case has toggle switches for elevator rate, flap mixing and landing gear. Aileron rate, rudder rate and Auxiliary Channel 2 are on the right side.*



### Specifications

- Full-range 2.4GHz operation
- 7-channel computer system
- Memory for 20 models
- Airplane and heli flight modes
- Power: approximately 750mW
- Current drain: 200mA
- Battery: 9.6V 1500mAh NiMH

### Features

- AR7000 Dual-Link Micro Receiver
- Four DS821 digital servos
- 1100mAh receiver battery
- AC dual charger
- Switch harness with charge jack
- Aileron extension
- 106-page instruction manual

Either mode is accessed by simultaneously pressing the Down side of the Scroll key and the Select button at the left side of the LCD screen. Pressing these keys while the transmitter is on gains access to the Function menus and features. Pressing the same keys with the transmitter off and holding them down while turning it on gains access to the Setup menus and features.

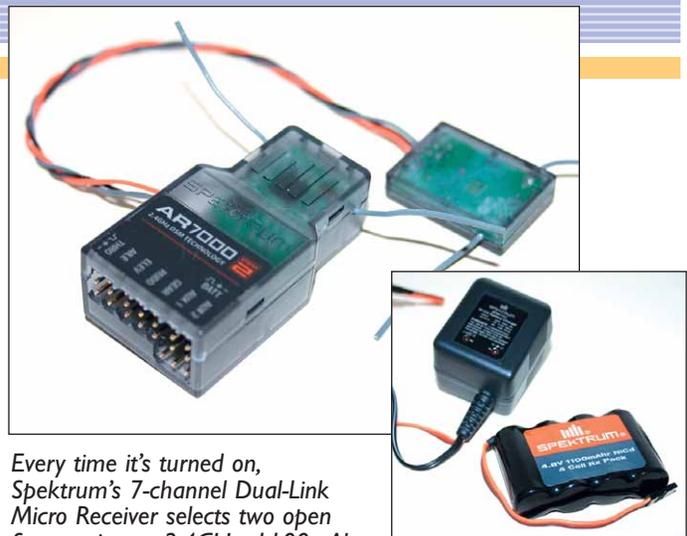
Once inside either mode, pressing Up on the Scroll key takes you to the various menus, pressing Down on the Scroll key takes you to any of the seven individual channels, and the Select button moves you around within each channel's options. The Adjust key on the right-hand side of the LCD screen allows you to increase or decrease



The DX7 menu is accessed and handled with only two rocker switches and two touch buttons. Dual frequency selection is automatic and happens every time the system is turned on. The chance of any two fliers being on the same two frequencies (of approximately 2 billion available) is virtually impossible.

values within each selection, and the Clear button is primarily used to return to the main menu.

While the computer programming in the DX7 is nothing short of wonderful, the unique calling card of the new 2.4GHz radio is its built-in frequency selecting. One of the first things that any familiar RC system user will notice is the lack of any crystal in the transmitter's rear panel. That's because the system uses no crystals. Two open frequencies on 2.4GHz are electronically chosen



Every time it's turned on, Spektrum's 7-channel Dual-Link Micro Receiver selects two open frequencies on 2.4GHz. 1100mAh receiver battery, AC dual charger and switch are also included.

every time the system is turned on. The DX7 system comes with Spektrum's 7-channel AR7000 Dual-Link Micro Receiver. Binding between the receiver and transmitter has been set at the factory, and it's very easy to "bind" additional Spektrum receivers. Just press and hold the Bind button on the back of the transmitter while turning the power switch on. The Bind button will flash and the system will connect. The LED's on the receivers will go solid, indicating that the system has connected. Binding is only required once for each new receiver.

The DX7 comes with four Spektrum DS821 ball bearing digital servos rated at 72 ounces of torque at 4.8 volts, an 1100mAh receiver battery, AC dual charger, an aileron servo extension and all servo accessories.

For additional information about the new Spektrum DX7 RC System, see the ads on pages 5 and 53, visit the Web site [www.horizonhobby.com](http://www.horizonhobby.com), or call Horizon Hobby in Champaign, Illinois, at 800-535-5551. **HM**



Standard size, single ball bearing DS821 Digital Servo delivers 72 of torque at 4.8V. Four servos come with standard system.