DTS-6 Desktop Coaxial Switch

The DTS-6 is the big brother of LDG's hit product, the DTS-4. Like the DTS-4, the DTS-6 is an intelligent coaxial switch, but with inputs for six antennas instead of four. So, when you get around to adding that 80 meter Sterba Curtain Array and the full-size top-band dipole to your antenna farm, you can step on up to the DTS-6 for all your antenna switching needs.

Like the DTS-4, all coax sockets (six inputs and one output to your rig) are lined up across the back of the switch, so all the coax can run straight back. This means the DTS-6 will fit in just about anywhere on your operating desk. A bright red LED indicates the antenna in use. At a touch of the control buttons, all inputs are safely grounded, protecting your radio from Mother Nature. The DTS-6R remote control lets you remote mount the main switch, providing a full set of control buttons and indicator lights, but only a single, slim control cable running to the remote DTS-6 switch.

When used with the DTS-6R remote, the DTS-6 can sense when your rig is turned off, and automatically ground all antenna inputs! You simply run a line from a DC-out port on your rig (most modern rigs have at least one) to the DTS-6 and set it to Radio Sense mode with a simple button-press. From then on you're protected; when you turn your rig off everything is automatically grounded. When you power back up, the DTS-6 automatically resets to the antenna you were last using.

Like the DTS-4, you can also control the DTS-6 from your PC! Instead of the DTS-6R remote, you can connect the DTS-6 to your PC via a level converter, and control all switch functions from your PC. This makes the DTS-6 ideal for use with computer-controlled rigs, or the new "software defined" radios. What's more, the control protocol is open and quite simple, and is completely documented in the manual.

You can make a level converter and easily write your own control program using Visual Basic, C++ or practically any programming language on any computer that supports serial I/O; you Mac and Linux programmers should have no trouble at all. All necessary information is provided

The DTS-6 handles up to 1500 watts PEP (250 watts on 6 meters) of RF power, and can be used with any coax-fed antenna. The Radio Sense feature needs at least 2 volts from your rig, at negligible current. The DTS-6 features standard SO-239 connectors, and requires an external 12 vdc power supply at 500 ma. If the external power supply fails, all inputs are automatically grounded, so it's fail-safe. Switching is done by rugged, sealed industrial relays.

Add the DTS-6 and DTS-6R to your shack soon; it's the modern coax switch you've been waiting for.

Specifications

- Six position coaxial antenna switch.
- Safety features prevent "hot switching".
- Radio sense (when used with remote) allows auto-off control to ground all positions.
- Frequency range: 1.8 – 54 MHz
- Power requirements: 11 – 15 volts DC at 100 mA maximum
- Idle current (all grounded): 10 mA.
- Switch Size: 9.5" wide x 4.5" deep x 2" high
- Remote Size: 6" wide x 3" deep x 2" high
- Weight: 1 lb.

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