

SMART CONTROL BOXES

Smart Control Boxes (SCBs) are ECS' "hard-switch" solution for Flight Safety Officers (FSOs), offering a rugged and portable interface to the Command Transmitter System (CTS). SCBs offer programmable switches and LCD displays, come in a variety of form factors, and can be mixed and matched for various mission operations. Covered "battleswitches" prevent accidental command activation, and remote diagnostics can verify operation of all SCBs prior to a mission.



SCBs may be located at a central location, such as a mission control center, or at remote transmitter sites to allow local control of the hardware. For ease of use, SCBs are powered via dual redundant Power-over-Ethernet connections. A number of specialty configurations can further extend your CTS system with programmable digital inputs and outputs to external systems.

Key Features

- SCBs are standalone, internally redundant, hard-switch mission panels with a customizable appearance
- Rugged and portable, powered and networked via redundant Power-over-Ethernet connections
- Each input or switch on a switchbox can be mapped to one of up to 60 programmable command functions and given a custom label on the SCB's LCD screens
- Available in several different appearances: 2-Switch, 4-Switch, 10-Switch, or Rotary-Switch, plus specialty configurations listed below
- "Site Select/Carrier Control" switchbox variant can be programmed with carrier control of up to 10 transmitter sites each

Key Features (Cont.)

- Site Control Interface offers full local control of a site: 60 programmable switches, plus carrier and failover control, with feedback.
- Real-Time Digital variant allows an external interface to the system, with digital TTL inputs rather than switches
- "Project" variant allows CTS control of external systems (e.g., missile launchers) via electrical relay outputs, with monitoring and feedback.
- Remote software diagnostic capabilities from the central control computer or from any remote site.



CC/FTS Control Function Top View



CC/FTS Control Function Side View



CC/FTS Control Function Top View



CC/FTS Control Function Side View