S3 SATCOM FIESTA

Advanced monitor and control system for satellite earth stations and VSAT networks.

THE MONITORING & CONTROL CHALLENGE

The challenges with satellite earth station monitoring and control systems...

Increased accuracy of operation—earth station operators need an intuitive monitor and control interface to enable them to easily access the status of the devices in their system and efficiently make changes as demand requires.

Increased system reliability - an earth station technical team needs to be made aware of problems as they happen, preferably before they affect system performance, and support in efficiently investigating the cause of any issues.

Increased flexibility and scalability — one or many operators should be able to manage one or more earth stations either from local terminals or remotely over the internet, with the flexibility to have new devices added as the systems expand.

THE S3 SATCOM FIESTA TECHNICAL SOLUTION

The S3 Satcom Fiesta technical solution to these challenges...

Wide range of device integration—The S3 Satcom Fiesta system integrates to nearly any earth station device using serial, TCIP/IP, parallel, and GPI input and output ports and has almost unlimited scalability.

Configurable alarms - Fiesta provides the ability to configure every individual parameter in an earth station. Both audible and on-screen alarms can be triggered by changes in status or out of range inputs.

Comprehensive logging — Configure Fiesta to log all client workstation actions and system changes, out of range measurements and/or time interval logs—all down to individual parameter level in the station.

DELIVERING BUSINESS BENEFITS

User-friendly and secure environment for the earth station operator...

User-friendly graphical display —using a standard screen and keyboard, or a touch screen, the Fiesta operator can monitor an intuitive graphical display of and easily drill down using icons to check device status and control operation.

Individual parameter security levels —Fiesta provides operational peace-of-mind with 5 levels of password protected access, individually configurable for each parameter in the station, from full privileges to a view-only access.

Client to multiple station access — Fiesta operates a client-server architecture, enabling multiple operators to monitor and control the same earth station, a single operator multiple earth stations, or anything in between.

Applications

Multiple operator control of single earth stations
With a wide range of device inputs and outputs supported and unrivalled level of scalability, Fiesta enables almost unlimited numbers of earth station devices and sub-systems to monitored and controlled by multiple station operators.

Multiple earth station monitor and control
With a server-client solution architecture, Fiesta enables single or multiple operators to locally or remotely access all the parameters configured for multiple earth stations and their subsystems.

Business Benefits

Increased operational efficiency
With all the station parameters easily accessible from Fiesta's intuitive graphical displays, station operators can efficiently and accurately control one or more earth stations locally or remotely on demand.

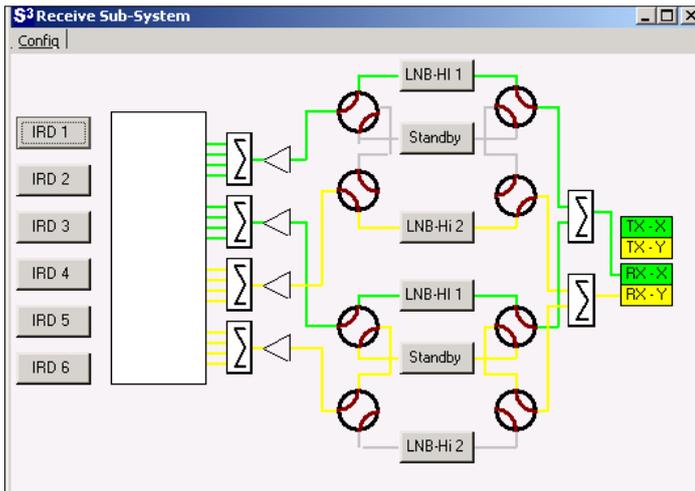**Increased station reliability**
With configurable alarms and comprehensive logging down to individual parameter level, and multiple level monitor and control access security, stations are easily maintained and any corrective action needed taken in a timely manner.

FIESTA DESIGN PHILOPSOPHY

The S3 Satcom Fiesta (**F**ully **I**ntegrated **E**arth **ST**ation **A**dministrator) monitor and control system has been professionally designed by a team of experts, each with over 20 years experience in the satellite communications solutions business. From the ease of use of the intuitive graphical displays, to the individual parameter level security access, alarms and logging, this system has been designed with the modern earth station operation in mind.
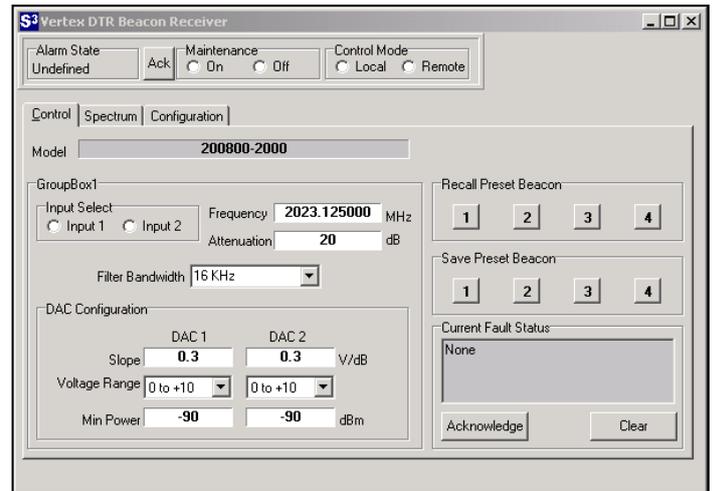
INTUITIVE GRAPHICAL DISPLAYS

Designed for today's earth station operator—S3 Satcom Fiesta remote monitor and control system has been designed specifically to meet the needs of satellite earth station operators around the world—operating on the Windows platform, touch screen support and using industry standard inputs and outputs.

Significantly reducing clutter on the control desk—In today's pressured operational environment simplicity is essential, and so the Fiesta software has been designed to present information in an intuitive fashion using familiar tools, either via a standard display/keyboard/mouse or on a touch screen.

Providing easy touch, click or keyboard drill down—The graphical interface presents information in a familiar "system diagram" fashion. To reach a particular alarm or parameter the operator simply "drills down" through the equipment icons using the touch screen, mouse or keyboard. For example, in the case of an alarm – simply select the flashing icon to display more detail.

PARAMETER LEVEL M&C

Detailed configuration desktops— Fiesta enables the station administrator to configure alarms, logging and security access down to an individual parameter level. Full logging, including event, date, time, earth station, equipment source, operator and client workstation is provided, and user comments can be added.

Flexible architecture—In each earth station a "Supervisor" computer continuously monitors the status of all the equipment. "Client" software obtains the status of one or more earth stations from the appropriate "Supervisor". The two pieces of software (server and client) can reside on the same computer.

Multiple station and multi-operator access—A single Fiesta client computer can be simultaneously connected to almost any number of "Supervisors" – allowing control over many earth stations from the Client Workstation. Similarly a "Supervisor" can be simultaneously connected to many Clients, enabling multiple operators access to the same system.

ABOUT S3 SATCOM

S3 Satcom provides broadcasters, telcos and corporations with specialist satellite communications products and services.

Our products and systems include fixed earth stations, VSAT networks, M&C software and the market-leading Satsio small antenna tracking and pointing system.

S3 Satcom headquarters is in the United Kingdom. The company operates globally through a network of value added resellers.

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