



Broadcast Electronics

Tomorrow's Radio Today



The Broadcast Electronics STL-SAT is a world-class problem-solver! This miracle will accept AES/EBU and analog L&R as well as Stereo MPX from a composite STL, and automatically switch to keep you on-air. It monitors and fixes any RDS problems as well, so it's perfect for translators.

Key Features & Benefits

- The STL/SAT Changeover provides an automatic audio changeover between a stereo signal coming from a satellite receiver or other source and an MPX composite signal coming from a STL receiver.
- Any of the two audio sources can be selected as the main source and the unit will continuously monitor its parameters, including audio level, pilot level, PI code and RDS quality (audio level monitoring applies to the stereo audio source).
- When any of the user-defined alarm thresholds are active on the main source, the unit will switch to the backup source, returning to the main automatically once it recovers.
- A GSM modem can be fitted internally for remote control and alarms signaling through SMS.
- A unique feature of this unit is the capability of suppressing the incoming RDS signal and superimposing a new, internally generated one, or replacing its AF tables only. In this latter case, all other pre-existing dynamic services will pass through the unit unmodified.

BE STL-SAT

Transmitter Site Switcher / Stereo Encoder

Specifications

RDS Encoder: Internal time base or automatically locked, using DSP-based PLL and filters, to the external MPX pilot carrier.

0A and 2A blocks, 24 user defined PS strings, 24 user defined RT strings

AF mode A and mode B with 25 AF tables

RDS subcarrier level injection 2KHz-12KHz

STEREO coder: Crosstalk >60dB

Input sensitivity -10dBm / +15dBm adjustable in 0.5dB steps. Pilot level and phase adjustable from front panel

MPX Input: Impedance 10Kohm

Accepted level 0dBm (2.2Vpp / 775mVRMS)

MPX Output: 3 independent buffered outputs.

Outputs are bypassed from MPX input in case of equipment failure. Level 0dBm + 1dB / -3dB adjustable through rear panel trimmer.

Remote control and connectivity:

GPIO board for switch control and alarms

GSM Modem (optional) for data connection and SMS

Ethernet - TCP/IP, RS-232

User interface: LCD Display 2 x 20 digit

Keyboard for menu navigation and parameters editing

Indication Led: main channel on air, backup channel on air, alarm, RUN (equipment is functioning properly)

Configuration software: Window XP, Vista, 7, 8.1, 10 compatible

Power supply: 100-240VAC 50/60Hz. 5W.

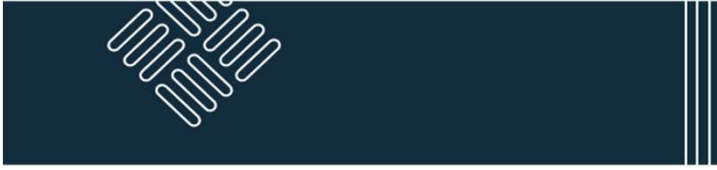
Size and weight: 1RU x 19" 1.73H x 19W x 6.15D in 4.4lb unpacked, 7.2lb packed.

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Taking the next step is easy with Broadcast Electronics. Contact your sales representative today to discuss solutions that will work for you and your station(s).

To contact your BE sales representative, simply visit our website at www.bdcast.com or call (217) 224-9600 and learn more about what BE has to offer.

BE manufactures complete RF systems for radio and TV. Our products encompass program generation, audio and data management, interfacility transport and analog and digital (HD Radio and DRM transmission).

They are used daily in more than 40,000 installations in nearly 100 countries. For over sixty years, BE pioneering developments have set industry standards for innovation and reliability, while providing broadcasters with new options for operational productivity and income generation. BE is headquartered in Quincy, Illinois, USA, and is represented worldwide by a network of local representatives.

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