2wcom’s SAT solution offers flexibility in dealing with SAT or IP networks

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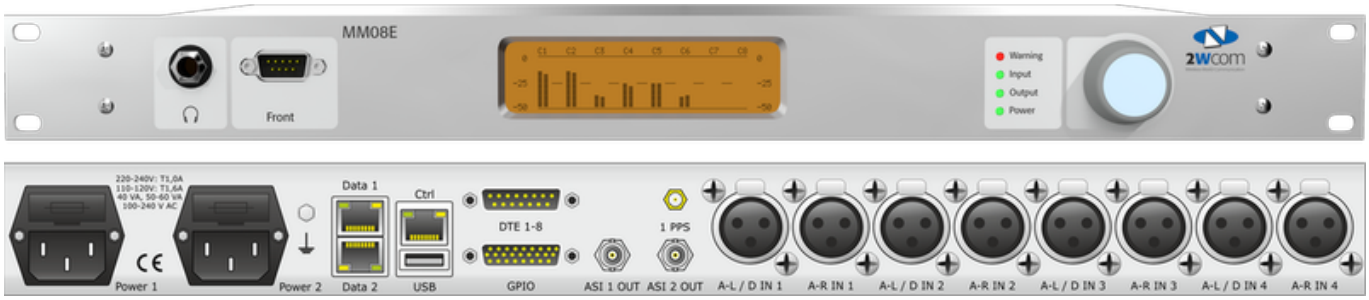
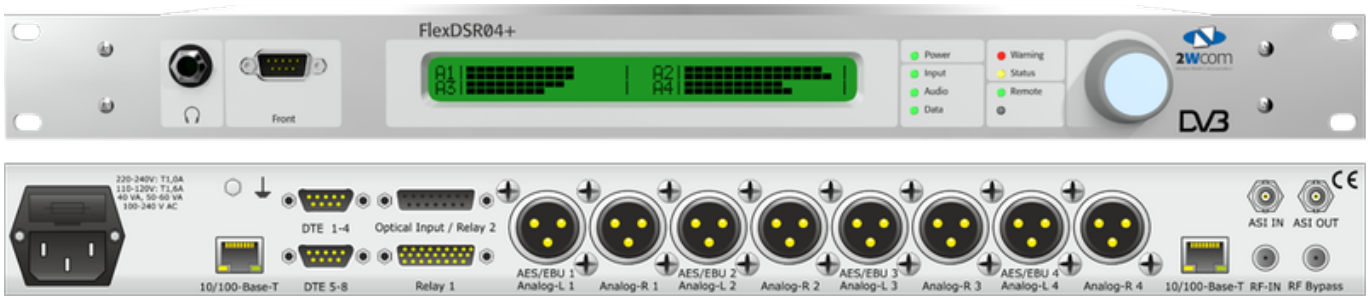
2wcom’s Satellite product range offers flexibility, reliability for the entire radio-signal transmission chain. Features like Dual Streaming, Pro MPEG-FEC or hot-swap power supplies ensure operation robustness. All devices are equipped with interfaces for SAT and IP/ASI to switch automatically to the best signal source available in case of failure. Since all common codec algorithms are supported, the appropriate one can be selected depending on the available bandwidth and the audio quality requirements. This homogeneous solution enables broadcasters to distribute a radio program nationwide and at the same time to schedule and transmit regional program content, advertisement or RDS data.



The MM08E MPEG encoder offers scalability from 1 to 8 audio channels that can be changed via a simple option key upload, giving you flexibility in planning your network and reducing your costs. The device encodes all common audio algorithms (EaptX, AAC, MPEG I/II Layer 2/3, PCM). Additionally, the MM08E can generate multiple independent streams. Transmission of ancillary and private data (PAD, RDS, etc.), as well as switching contact information (GPIO) can be forwarded via integrated interfaces. Two redundant and hot pluggable power supplies easy device maintenance without service interruption. With two physically separated network interfaces and the Dual Streaming feature this device can provide a rock-solid IP transmission, especially when paired with a Pro-MPEG FEC. The whole package is rounded out by offering functions for control (HTTP, Telnet, NMS and SNMP) and monitoring (IP and MPEG parameters via SNMP v2c and relay, headphone output and alarm, source switch & event logging).



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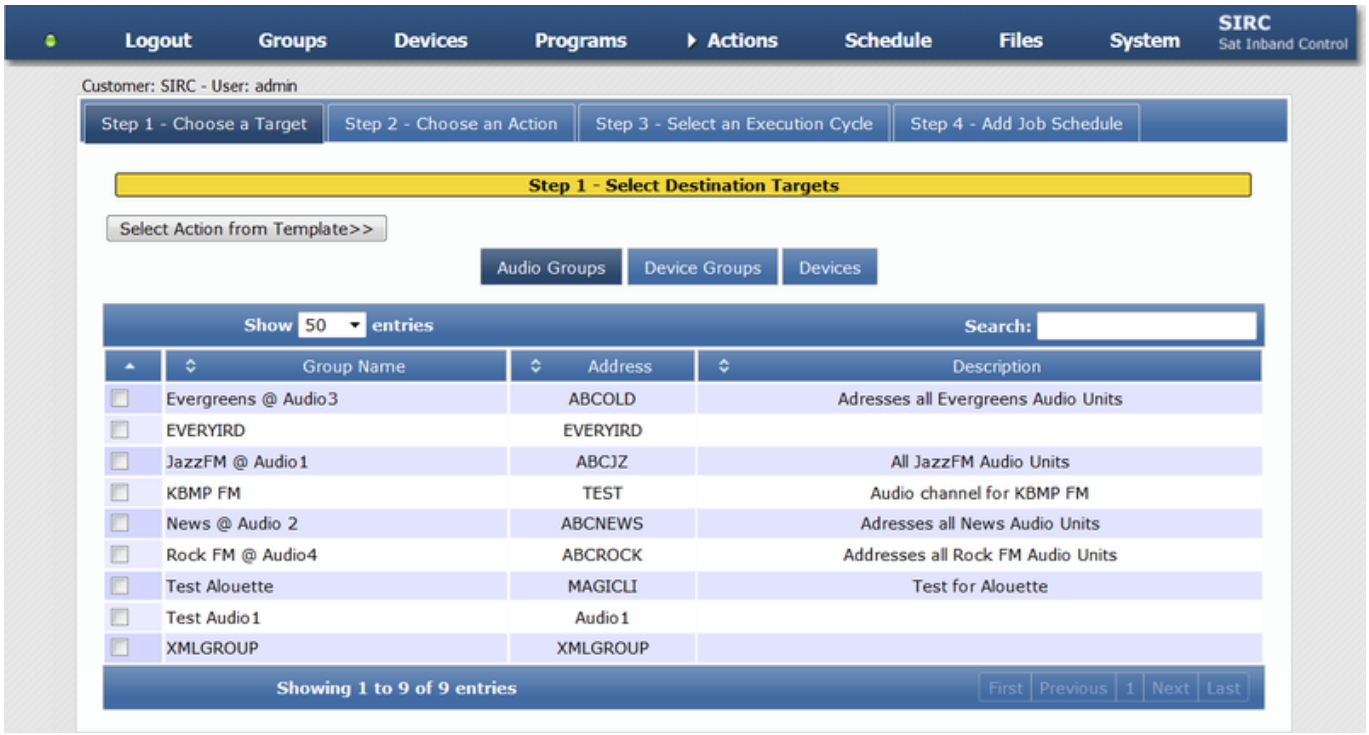
FlexDSR02+ and FlexDSR04+ professional IRD Satellite Receivers are well-known for broadcasting of local content, diverse back-up solutions and comprehensive functionalities regarding monitoring applications. The long-established IRD SAT Receivers are equipped with state-of-the art technology. It is possible to handle transport streams via satellite (DVB-S/S2), ASI input and IP, while also managing elementary audio streams and Icecast streams via IP. Processing all common coding algorithms like E-aptX, AAC, MPEG I/II Layer 2/3 or PCM, the multipurpose devices include a sophisticated concept for audio quality and redundancy options – e. g. Pro-MPEG FEC to compensate for IP packet loss and redundancy DualStreaming. Both receivers offer fallback options by automatically detecting and switching over to the best signal source available. Furthermore, FlexDSR02+ offers the option of a dual tuner for simultaneous reception of two transponders.



eSIRC Server (enhanced Satellite Inband Remote Control) for perfect remote control of hybrid IP/SAT networks. The cost efficient and web-based software eSIRC Server is most suitable for regional broadcasting, quality control and management of local audio content, jingles, schedule and firmware files – while saving time and money. Operators are able to completely access the eSIRC management system via web interface from any computer within the network for uploading data files to the internal memory of MM08E Encoders, DSR01 receivers and FlexDSR02+/04+ receivers (such as firmware, audio, reports and configuration). The content provided by eSIRC can be processed immediately and without delay or can be scheduled for processing at a certain point in time. For each SD card installed in the receivers, there is a separate directory on the eSIRC server, into which all distributed files are written. System operators can fall back on these data mirrors in case a SD card has to be exchanged or if high data volume has to be distributed and bandwidth is not sufficient.

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