



# IBX-610 SI Generation System



## Featuring

The IBX-610 EN 300 468 SI-generation system is a powerful, easy to use SI generation, editing and injection software application for Digital headend systems.

Generation of the complete SI tables and descriptors regarding the DVB specifications EN 300 468	Powerful and userfriendly
Graphical table editor (GUI)	Context sensitive help
Creates and generates static and dynamic tables	Generation of the PAT / PMT tables
Multiple transport stream support ASI or IP	Generation of the NIT tables
Full 32 Transport stream support via table PID remapping	Generation of the SDT actual/other tables
Includes standard and private descriptors	Generation of the BAT tables
Generation of the complete multiple NIT "actual/other" for Cable, Terrestrial & Satellite. It also supports the so called "SwissFUN" specifications (SwissCable)	Generation of the TDT / TOT tables
Supports simultaneous multi-lingual broadcasting through language descriptors	Flexible repetition rate control
For all kind of operators (cable, satellite, terrestrial, etc.)	Fixed or variable net output bit rates selectable
Parental rating descriptor	Running on a powerful server architecture
Client / server architecture with central database and single or multiple terminals	Maintains SI consistency and information integrity
Scalable and configurable	Injects the resulting SI stream into a DVB multiplexer

Optionally the unit can dynamically update all tables (e.g. EPG data from satellite) – special hardware board and software Customer specific versions e.g. for data insertion, for SI-backup (if from other source), DVB running status control, etc. The application can be combined with other applications from the IBX 6xx platform on the same hardware (e.g. DBC, STB system software download) or a full fledged EPG generator with XML-file input, etc.

The hardware consists of a professional server from HP-Compaq with a high performance DVB-ASI output card from DekTec (ASI output stream card DTA-100).

### Specifications:

- Operating system: SuSe Linux
- Max. Output Bit Rate: 120 MBit/s (byte-mode)
- Dual 10 BaseT, 100 BaseT, GigE connections
- DVB-ASI connector: BNC, 75Ω
- Packet Size: 188 or 204
- Max. Jitter: 70 ns p-p
- Power: 100...230 Volt, 0...60 Hz
- Size: 19" wide, 1 RU height, 70 cm depth

### HP Hardware Options:

- Hot plug redundant power supply
- RAID mirror backup HDD

### DekTec Output Card Options:

- QAM RF output
- QPSK RF output
- OFDM RF output

For more info, please contact:

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