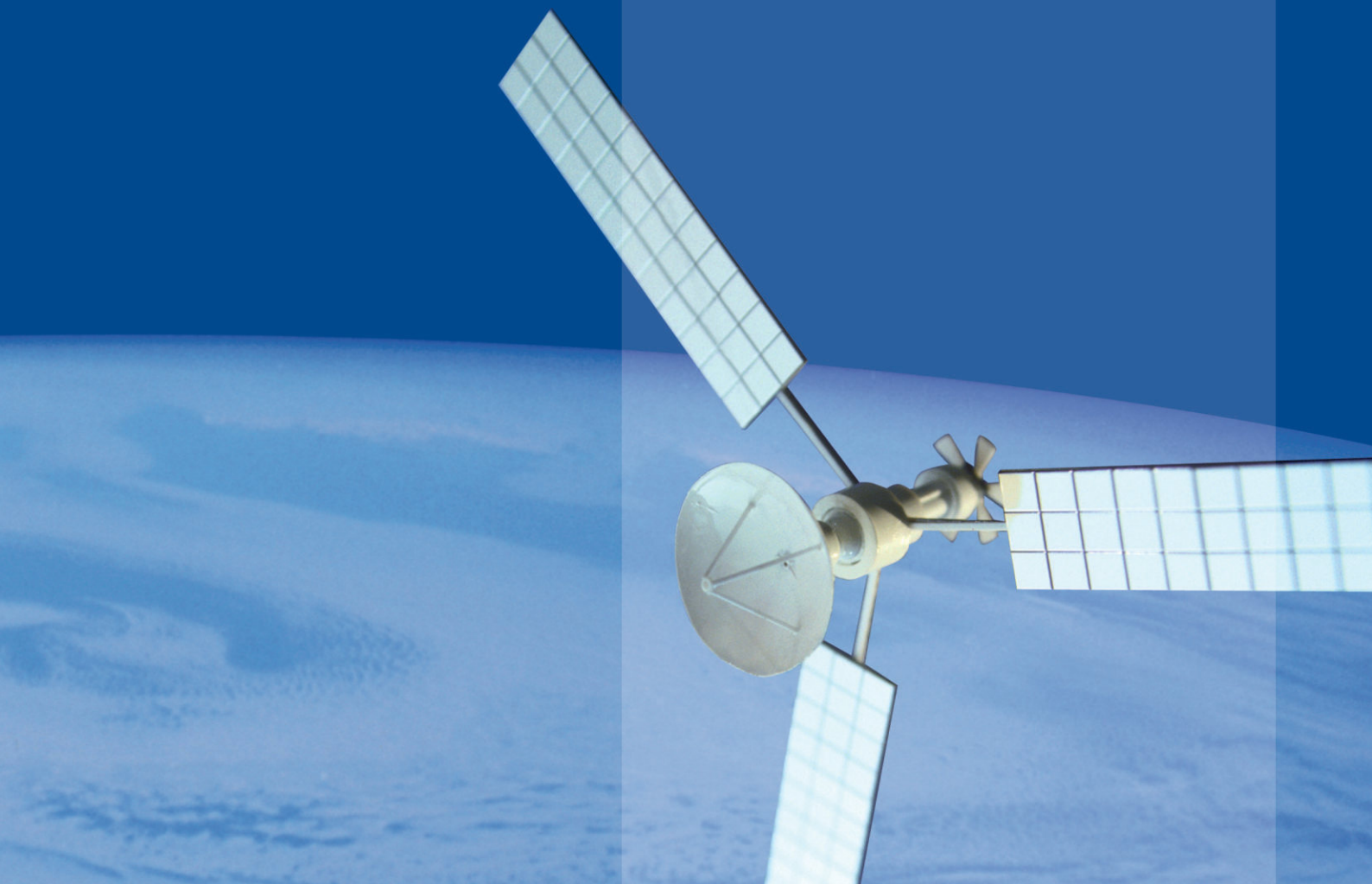


iTV Playout System for HbbTV/MHP/MHEG-5/SSU



MIT-*xperts*

iMux Multiplexer

iMux Multiplexer iTV Playout System

iTV Playout Made Easy

Whether you want to quickly play out a new MHP/HBBTV/CE-HTML/MHEG application, modify an existing application, or fine-tune it: the iMux Multiplexer gets you there in no time and without hassle. Creating a carousel or an AIT entry is as easy as filling in a few values and clicking „OK“. And in case you are unsure about a setting in our intuitive GUI, online help is always just a mouse click away.

If you ever want to go into detail of DSM-CC broadcasting, you can fine-tune your carousels by manually adjusting module management, module distribution, bandwidth management, multi-PID carousels and other optimization features (such as DSI/DII distribution rates). Our new innovative sub-carousel feature allows you to save bandwidth by moving frequently used data into sub-carousels which can be referenced by other carousels. All carousels can be downloaded as Transport Stream or Sections, too.

Even if you have legacy applications based on DSM-CC Transport Streams/Sections, or just want to broadcast audio, video, or data streams, the configuration of your iMux Multiplexer is very easy and straight forward.

Our intelligent Transport Stream detection mechanism analyzes uploaded Transport Stream files, automatically detects the components and adds them to your auto-generated PMT.

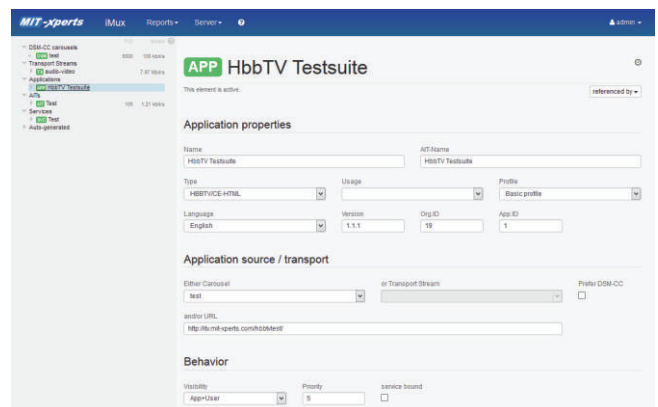
SI/PSI Table Management

Using the service list, you can create your SI tables easily (NIT, UNT, TDT, TOT, SDT, PAT, PMT, EIT, and AIT). Editing the components (such as applications, carousels, Transport Streams) on a service is simple, but also extremely flexible. You can even schedule your applications for playout using the integrated scheduler.

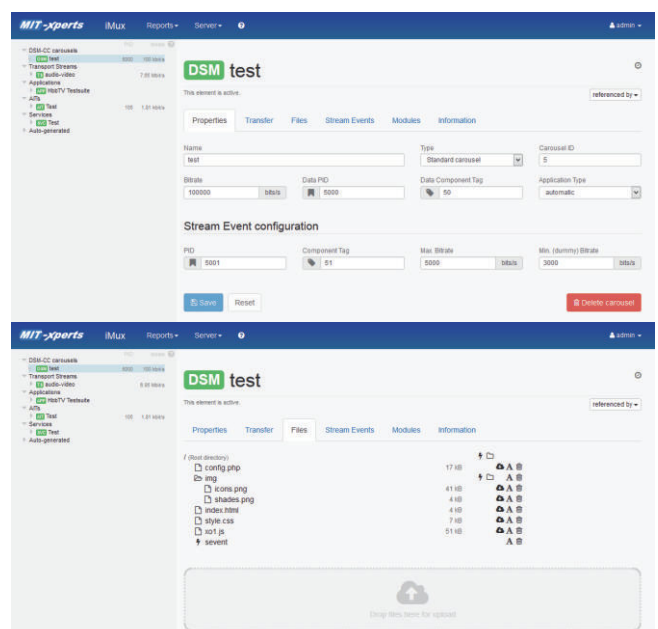
With our advanced Application List feature you can automatically add the same application to multiple services or reuse an AIT for multiple services.



MHEG-5



Application Management



Carousel Management

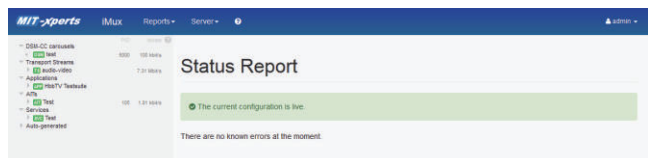


Key Features and Benefits

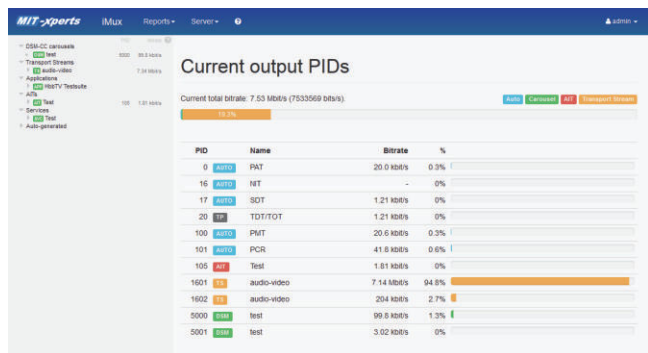
Integrated User Management

Using multiple user accounts, you can allow certain users to do nothing else but what they need to do (i.e. only update a specific carousel or transport stream).

This can even restrict your API calls, so automated scripts can only manipulate specified components.



Intelligent "pre-launch" configuration testing



Integrated Reporting and Supervision

Included SSU / UNT Support

Using iMux Multiplexer, you can also play out DVB SSU carousels (System Software Updates), either via simple profile or via generated UNT (Update Notification Tables).

The iMux Multiplexer GUI supports you when configuring these components. Carousel contents can be synchronized automatically from external FTP/SFTP servers.

Sophisticated System Architecture

When adding an application to a service, the iMux Multiplexer not only includes the application in the AIT, it also automatically adds all associated components (such as carousels and Stream Events) to the PMT and starts playing out the corresponding resources.

The included comprehensive Java / JavaScript / JSON API allows you to edit almost anything with your own scripts via an SSL encrypted network connection, and enables an easy integration into your existing playout environment.

iMux Multiplexer provides:

- Multi-standard support: HbbTV (CE-HTML), MHP, MHEG
- UNT/SSU support for DVB System Software Updates
- Full dynamic DSM-CC carousel update support
- Extensive, yet easy to use Java / JavaScript / JSON API with ready-to-use sample applications for common tasks (including source code)

Advanced Management features:

- DSM-CC carousel generation with extremely powerful optimization technology, automatic configuration support, and "Do-It-Now" Stream Events
- Real-time broadcasting of iTV applications
- Support for all relevant descriptors (including optimized AIT signaling)
- Management and automatic generation of the following SI/PSI tables: NIT, UNT, TDT, TOT, SDT, EIT, PAT, PMT, AIT
- Intuitive, easy-to-use web-based graphical user interface for management, configuration and reporting (no client based software required except web browser)
- Multi-user support with per-user access control and support for multiple simultaneous users
- Intelligent bandwidth management and supervision
- Extensive Transport Stream recording functionality
- Integrated scheduler (support for planning the playout of applications and/or transport streams)
- Download/upload of complete configuration as single file for backup/restore
- Status reporting via SNMP agent

Key Features and Benefits:

- ASI, DVB-S, DVB-C, DVB-T, or IP output
- Max. 40 GB playout data (Transport Streams / carousels)
- Max. 200 user accounts / 50 simultaneous logins
- Automatic sync of carousels / stream files via FTP/SFTP
- Included Windows File Sharing and FTP server
- Multi-language user interface

Technical Data

- 1U 19" server, redundancy by adding backup servers
- Up to 4 physical IP ethernet ports
- Up to 2 physical ASI ports
- Inputs licensed by simultaneous carousels and transport streams
- Outputs licensed by simultaneous services (SDT entries or PMT PIDs)
- Smallest license: 5 inputs and 5 outputs, largest license: 150 inputs and 150 outputs
- Robust server (redundant power supplies + hard disks)



ORDERING INFORMATION

Please contact us for further details on different available options.



MIT-xperts GmbH
Pocistr. 13
80336 Munich
Germany

phone: +49 (89) 76756380
fax: +49 (89) 76756381
sales@mit-xperts.com
www.mit-xperts.com