









STAR is a set of applications designed to automate ingest and playout of programmes, self promotion and commercials in a TV station.

Star is a frame accurate system supporting various types of TV technology equipment, including video servers, VTRs, cart machines, routers, logo generators, switchers/DVEs, teletext generators etc.

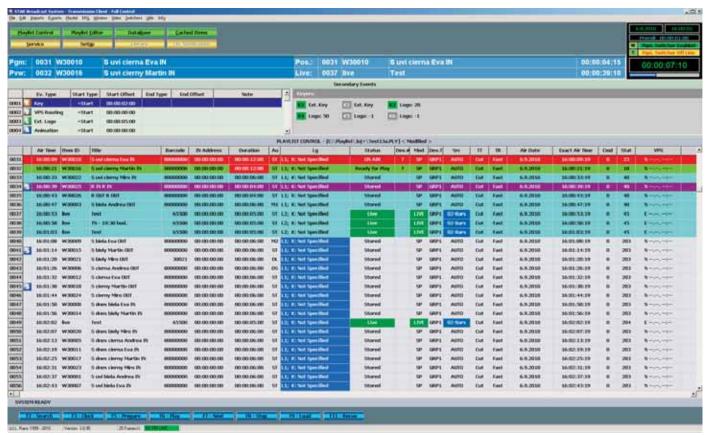
AIR STAR FEATURES

- Designed for Windows XP / Windows Server 2003 or 2008 / Windows Vista / Windows 7 operating system
- Transmission Client cooperates with the Device Controller
- Contains playout management, playlist editor, video server content management and cart machine library management modes
- Video overlay capability user can check the current On Air program on the computer monitor as well (very useful during making changes in the current playlist or manual starting playback after live event)
- Playlist check mode includes a list of errors or warnings (zero durations etc.) and is able to check the limits of commercials in accordance with a law-necessary for every commercial TV
- Every playlist item contains a reconciliation key (up to 64 characters long string) which can be used by the traffic system for additional data processing
- Creates As Run Log and a detailed technical log including the communication events and user operations.

- As Run Log can be converted to open standard file format (HTML etc.) for additional processing
- All channels use the common shared database. If necessary, every channel can be configured to use it own local database.
- Wide support for secondary events animations, squeezebacks, ...
- Automatic selection of 65500 logo types including animated logos
- GPI inputs / outputs
- Audio mode, VPS and WSS control
- Audio processor control automatic selection of appropriate audio profile (up to 255 pre-defined profiles)
- Teletext and in-vision subtitling
- Playback from VTRs, video server channels and external signal sources (live events) as well.
- Automatic tape handling and the library management of the cart machine if connected

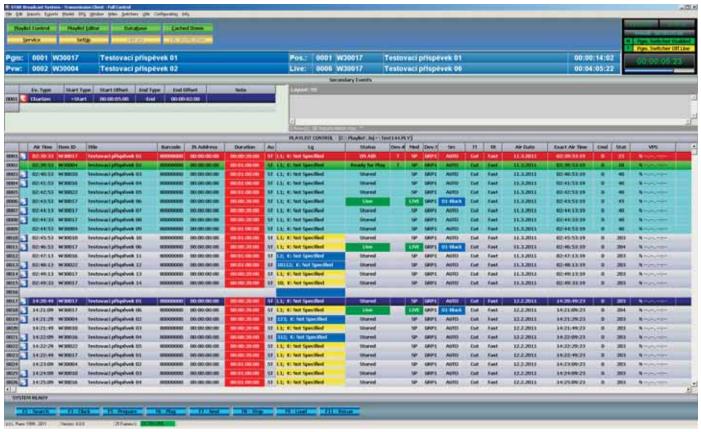
DEVICE CONTROLLER

- Performs all time critical (frame accurate) tasks, directly controls VTRs, video server channels, switchers, etc. via RS422, RS232C or Ethernet
- Device Controller is locked to the TV reference
- Device types and settings are stored in the files this feature brings high flexibility during the system configuration
- Device Controller has no graphical user interface, user actions are performed on the Transmission Client

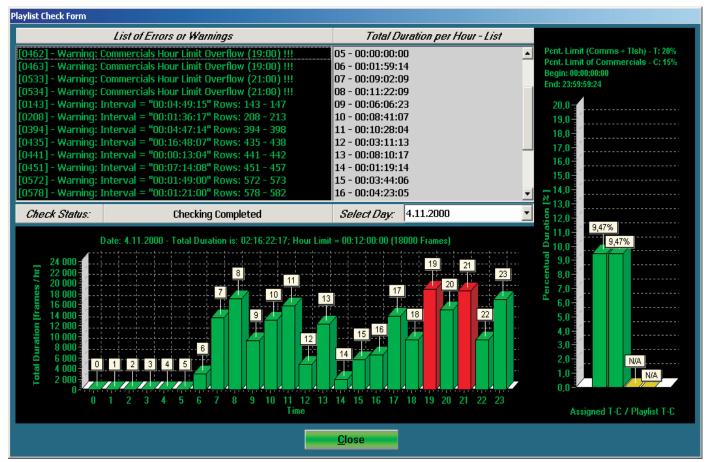








• Transmission Client Series4







IngestStar is a standalone application for dubbing the material from tapes to video servers. Live recordings are also supported. Ingest Manager has an access to the main database, dub list data (Item ID, IN Address and Duration) can be loaded from the playlists avoiding users having to retype them manually.

One IngestStar can control up to four VTR -> video server channel ingest pairs simultaneously. Every Ingest Panel holds one ingest pair and can be configured at runtime without necessity to restart the IngestStar. Various configurations are supported including channels on different video servers. Multiple IngestStar can be used to obtain more ingest pairs.

DATA PREPARATION

Star Data Workstation (Playlist and Database Editor) software is used for the transmission data preparation works.

The broadcast schedules can be imported from the traffic system and converted to the playlists. All necessary checks can be performed using this software before transfering the playlists to the Master Control Rooms.

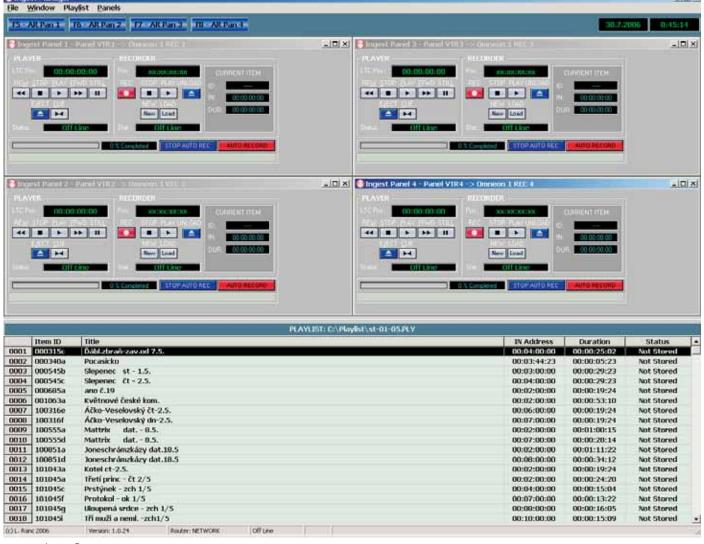
One or more data workstations can be used. Every data workstation accesses the common shared database.

FAULT TOLERANCE

The system can be configured to keep the station on air even in the case of the device failure. This protection includes:

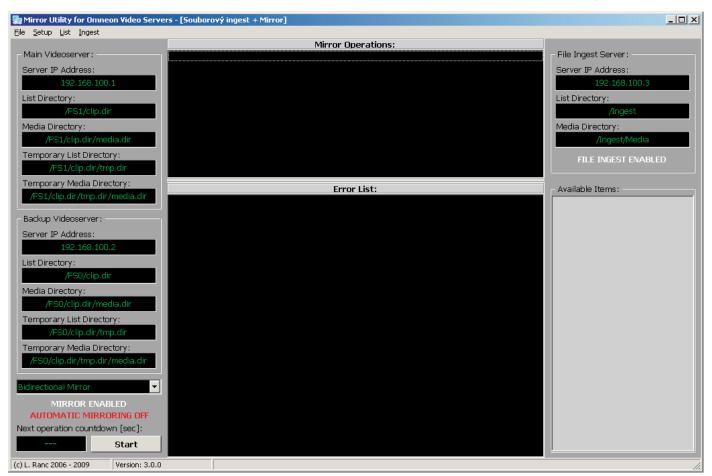
- Possibility of parallel playout of material from the second independent channel and switching over in the case of failure
- Availability of at least one redundant playout channel (mode N+1 or N+n)
- Using RAID disk storages in the Device Controllers and the System Managers
- Video server mirroring software which protects the material against the video server storage failure

LOX









Mirror Utility



STUDIOSTAR is a playout system primarily designed for the studio and newsroom purposes. StudioStar controls up to two videoserver channels at a time. First channel is dedicated as a record channel, the second one as a playout channel.

The material can be ingested to the videoserver using the record channel from the attached VTR or copied directly as a file.

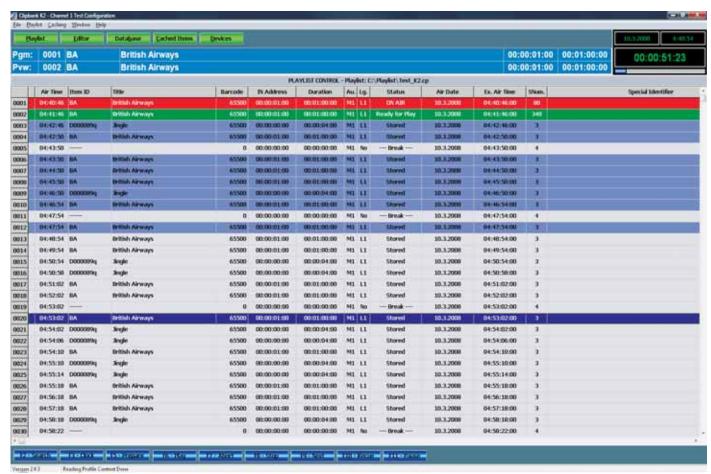
More StudioStar instances can be run simultaneously to realize the multichannel playout.

The database and playlist resources can be shared between Star applications allowing the seamless operation.

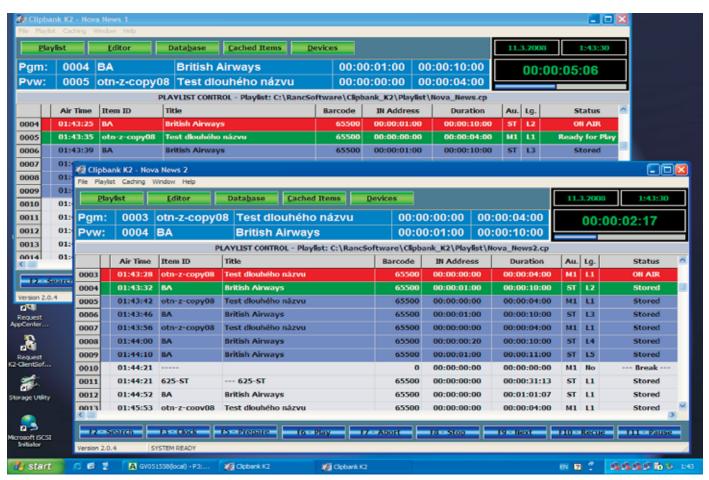
StudioStar uses MOS gateway to interface to various newsroom systems.







StudioStar playout







TV Nova – Prague, Czech Republic Star series broadcast system since 1999. The first broadcast system for TV Nova was realized in 1996.

TV Joj – Bratislava, Slovak Republic since 2002

TV Óčko – Prague, Czech Republic since 2007

TV Prima – Prague, Czech Republic since 2008

TV Barrandov – Prague, Czech Republic since 2008

MTV Czech – Prague, Czech Republic since 2009



Cart Machines Odetics TCS 45, Odetics TCS 90

Character Generators

Animations Player (Video Audio Systémy), Miranda Intuition, Pinnacle TypeDeko, Harris IconStation, VizRT Trio, VizRT Multichannel, Hego AKI graphics station, Titlebox, MagicSoft CG

Audio Procesors

Orban, Phobos Trans-Digi 2009, Jünger Audio

Newsroom Systems – MOS

Octopus 6

Clock Generators

Eliclock, Miranda Imagestore

GPI control

Control by level, control by pulse

Logo Generators Leitch LogoMotion, Miranda Imagestore, Evertz 9725LG

Master Switchers / DVEs Elvia EMS 100, GV M2100, Miranda Imagestore, Miranda Prescontrol, Harris IconMaster, Quartz QMC-2

Traffic System

Provyś, MIS

Routers

GV Encore, GV Ten-XL, GV Performer, Network Electronics, ProBel, Quartz Q-series, GV Jupiter

Teletext Generators, VBI inserters Saturn-Toya Phoebe Neo Utilia Teletext Generator

Video Servers

GV K2, GV K2 Summit, GV M-Series, GV K2 Solo GV Profile PDR and XP series, GV Turbo iDDR, Leitch, Omneon, Harris Nexio, SeaChange + any other video server using VDCP, Odetics / AMP communications protocol

Any device using SONY RS422 protocol

New devices will be added in accordance with the customer's requirements.



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