DaletPlus Radio Suite is a broadcast and asset management system designed for digital radio operations. It streamlines the production and delivery of news and music programming by maximizing resources while ensuring reliability. DaletPlus expertly handles workflow environments with time-sensitive production demands and mission critical delivery requirements. Incorporating a set of easy-to-use production tools and comprehensive workflow management, DaletPlus facilitates every step of the process: audio and newswire acquisition, search and retrieval, production, script editing with embedded audio, planning, scheduling, broadcast, and archiving.

**Radio Suite Highlights**

- **PROVEN**
  Thousands of radio stations worldwide use Dalet tools everyday.

- **RELIABLE**
  DaletPlus’ unique distributed server architecture results in systems with no single point of failure.

- **CUSTOMIZABLE**
  DaletPlus OnAir offers a user interface and layout that can be configured to the needs of an individual broadcast studio or studio operator.

- **SCALABLE**
  Enterprise-wide deployment, highly scalable (up to several hundred workstations on a single or multiple locations).

- **PRODUCTIVE**
  DaletPlus offers a central, shared knowledge base across a user organization with layers of configurable security rights.

- **FAST**
  A few seconds after a recording has started it can be either played on the air or edited while still recording.

- **OPEN**
  Easy integration (XML/MOS) with Newsroom Computer Systems other than DaletPlus such as Dalet OpenMedia or ENPS.

- **STATE OF THE ART**
  Simultaneous broadcast over new media outlets such as DAB, the Internet and interactive TV without requiring significant additional resources.

Capture, Edit, Schedule, Deliver and Archive News and Music Programming.
Group Connectivity

DaletPlus InterWeb is the most versatile web-based newsroom collaboration tool. Through Internet Explorer, journalists can access, edit, exchange and store audio, scripts, wires, and feeds in real time. Locate source materials – current or archived – immediately. Share information and source materials between multiple news locations or different news organizations.

Multi-location Production

Radio groups with stations in multiple locations can take advantage of DaletPlus distributed infrastructure to share resources. This infrastructure integrates application data and processes by coordinating, converting, and distributing audio files and playlists via Internet. News content can be automatically replicated from regional stations to a central location. Playlists can be created in one site and automatically sent to other sites, with the associated sound files. A Remote DJ feature allows groups to extend the reach of a popular on-air personality by having him or her record voice-tracks in one location and automatically transferring it to other stations for playout.

Database Replication

Users in remote sites can drag and drop material from a remote database into their local database. Administrators can define priorities for transferring audio based upon user, categories and priority flags in other to utilize the bandwidth available.

Web Distribution

All material (text, audio, images, video) can be automatically converted and easily re-purposed for publication onto the web, interactive TV and new generation mobiles.
DaletPlus offers a variety of audio capture tools designed to capture CDs, live events, satellite feeds, Nagra recorders, digital files, and other analog signals. Even the capture of non-audio material such as news wires and video feeds are supported.

Key features include:
- Automatic capture via scheduled ingest or manual recording tools.
- Play and edit audio material while recording.
- Multiple audio format and bit rate support.
- DaletPlus fault tolerant distributed architecture with no single point of failure.
- Soundblaster compatible or Digigram Audio Cards (PCX 822, 924, 22, VX 222 and MixArt 8).

DaletPlus AudioRecorder
“One-Click” Recording
- Record up to 8 simultaneous channels per workstation.
- Tape deck-like controls to record, pause, and fast forward.
- Auto-Trim erase beginning/end silences.
- Set cue points and markers
- Set default mix parameters for auto-segues.
- Mono or stereo recording
- Multiple compression and audio formats supported.

DaletPlus TrackFiler
Faster than real time transfers from CDs (through CD Rom drive) or Nagra Ares Recorder (through USB)
- Inserts metadata directly to DaletPlus database (from www.cddb.com for CDs and Nagra titles).

DaletPlus NewsDepot plug-in Collecting field contributions by phone or ISDN
- DaletPlus gateway for Arbor NewsDepot server.
- Unattended, secure news gathering via any network, any format: phone, PSTN, ISDN, GSM, UMTS, Internet, satellite, leased lines, G.722, MPEG, and file transfers.
- Automatic transfers from NewsDepot to DaletPlus.
- Multi-channel hi-fi mail box.
- Automatic detection and conversion of incoming audio.

DaletPlus MediaWall
Live desktop monitoring of incoming audio and video feeds.
- Multiple feed monitoring.
- Video or audio waveform display.
- Microsoft Windows Media 9 multicasting.
- “One-Click” audio muting.

DaletPlus ActiveLog
Scheduled recordings and logging for large-scale ingest.
- Multiple bit rates, mono and multi-track audio.
- Support of a variety of audio recording cards and network configurations allowing for virtually an unlimited number of ingest channels.
- Immediate access to captured material while recording.
- Intuitive scheduling calendar to automate every detail of multiple recording sessions.
- Distributed and redundant infrastructure, delivering maximum reliability and guaranteeing no single point of failure during the recording process.
- Detects and masks failures in real-time, and provides the continuous, uninterrupted writing and reading of audio and video material.
- “Never miss” a recording. All incoming material is captured continuously in the background in a temporary storage buffer. If the beginning of the recording is missed, go back and “start” the recording in the past.
Audio Editing

Dalet’s AudioSurfer is used daily by thousands of radio professionals around the globe (we don’t want to imply that you need to be an audio engineer; anybody can use it). It serves as a world-wide reference in the radio industry.

DaletPlus introduces collaborative audio editing, an innovative feature for radio content producers. While incoming audio and video material (DaletPlus extracts audio tracks from video) is captured, editing can begin while the feed is still being recorded. Journalists and producers can monitor all incoming feeds directly from their desktops using DaletPlus MediaWall. With just one click, they can immediately review ingested material, extract clips to the DaletPlus ClipBin, and share them instantly with other users.
DaletPlus includes advanced scheduling tools to create and manage music playlists and news rundowns. Easy-to-use templates enable single, multi-station and multi-site scheduling, including advanced status and notifications, and shared views. DaletPlus Music Scheduling is fully integrated with DaletPlus broadcast system so no import or export of logs is required, and no reconciliation is needed between two different systems.

**Overall Features**
- Radio and rich media (DRM, DAB or IP) broadcasts.
- Scheduling of various media types (audio files, EDLs, stories, or macros).
- 3-level scheduling structure: item, block and rundown.
- Independent timing calculations and studio assignments for rundowns and blocks.
- Simultaneous multi-user collaboration on schedules.
- Controlled access through sophisticated user rights management granting permissions to view, create or modify schedules.
- Live Updates - Immediate reflection of schedule changes through real time synchronisation with broadcast applications. Changes are immediately reflected to all users.

**DaletPlus Schedule**
*View, edit, and manage rundowns and playlists.*
- Tabular display of scheduled items (stories, media titles, machine commands), production, and timing information.
- Drag-and-drop and keyboard shortcut operations.
- User or group-level configurable views and display formats (fonts, color, language).
- Scheduling of text strings and graphics for multimedia (Web, DAB, Satellite Radio, or DRM).
- Flexible and rich display of timing information: Scheduled/computed start/end time, computed/planned duration, current time, guide time, aird time/start/end time and duration.
- Mandatory time constraints: automatic application of fillers, fade-outs, or cross-fades to satisfy time constraints.

**DaletPlus MixEditor**
*User-friendly graphical interface for great sounding audio segues and voice-overs.*
- Dynamic waveform display allows for quick and precise mixes.
- Mixes can be prepared/modified in advance or live during a broadcast.
- Multiple transition effects: fade-in, fade-out, voice-overs, gain adjustments, voice ducking, and overlaps.
- Gain adjustments (-60 dB to +12dB) for track segments or overall combined tracks.
- "One-Click" mixing - pre-defined mixes can applied with one click.
- Easy voice track recording and trimming with innovative graphical voice ducking.
- Placement of unlimited number of voice-overs anywhere in the transition.
- Unlimited undos and redos.

**DaletPlus Music Scheduling**
*A modern music rotation system*
- Multi-user operation incorporating music scheduling workflow control.
- Music Rotation Engine uses sophisticated rules respecting cross channel and day-wide separation, implementing varying recycle weights and pattern placements.
- Fully customizable by attribute, by genre, by channel.
- DaletPlus PrintForms for the customization of existing reports and the creation of user defined reports.

**Workflow Management**
*Full integration with DaletPlus workflow management features.*
- Assignment Desk - Task/Story assignment and notification.
- Status monitoring: Realtime update of the status of each scheduled item. (submitted, approved, aired...)
- Customizable workflows.
- "One-Click" approvals and annotations directly from schedule.
With a modular approach, DaletPlus OnAir can create a custom tailored studio environment. These modules have been optimized for ease-of-use and efficient station operation. There are interfaces specifically for both news and music broadcasts, over traditional AM and FM signals, as well as rich-media platforms such as DAB, DRM and interactive media channels.

The broadcast capabilities of DaletPlus share a common foundation – the Dalet Broadcast Server – managing all tasks associated with scheduling and broadcasting. It operates on a distributed and redundant infrastructure, delivering maximum reliability and guaranteeing no single point of failure. DaletPlus Broadcast Server detects and masks failures in real-time and provides the continuous, uninterrupted playout of audio material.
DaletPlus offers an end-to-end solution for radio news operations by merging the functionalities of a newsroom computer system, broadcast production system, and broadcast playout system. A flexible workflow management platform allows DaletPlus to accommodate a wide variety of newsroom workflows and operating models.

Key functions include:
- Task Assignment and Rundown Scheduling
- Automatic Assignment Notification
- Source Material Management (wires, audio bites, stories, contacts, web...)
- Audio bites embedded directly in the script
- Instant Updates of Broadcast and Rundowns

**General Features**
- Integrated assignment desk offers “one-stop” task planning and assignment.
- User configurable audio/visual alerts of new assignments, important wire arrival, and story rejection/approval.
- Integrated instant messaging facilitates user communications and collaboration.
- Fully redundant design provides reliable multi-user, multi-site, multi-station, and multi-rundown support.
- Easy 3rd party system integration with MOS protocol.
- Integrated workflow management streamlines task assignment and story approval cycles.

**DaletPlus NewsWire**
- Integrated wire management for receiving, cataloging, and browsing wires.
- Support for up to 64 incoming wire feeds (internal/external).
- Automatic extraction of meta-data.
- Full indexing of all wires.
- Incoming wire notification via audio and/or visual alerts.

**DaletPlus NewsEdit**
- Integrated rich-media word processor designed for news script writing.
- Microsoft WordPad-like interface and functionality.
- Drag-and-drop inserts: production notes, reader changes, time reservations, and rich media titles (audio, image, or video).
- “One-click” preview and editing of audio inserts.
- Produce broadcast ready scripts that can be:
  - Placed in a rundown.
  - Used in another DaletPlus OnAir application.
  - Repurposed on websites, iTV, and other new media channels.

**DaletPlus AudioSurfer**
- Integrated, easy-to-use multi-track audio editor for producing news.

**Rundown Management**
- Supports an unlimited number of rundowns.
- Create, place, and arrange rundown items (story, block, rundown, etc.) via keyboard shortcuts or drag-and-drop.
- Independent timing calculations and studio assignments for rundowns and blocks.
- “One-click” suspension of an item from rundown and/or timing considerations.
- Placement of items into multiple rundowns.
- Insert “Breaking News” at any time in any spot in the rundown.
- Color-coded display of story status (assigned/submitted/approved/rejected).
- Display, during broadcast, actual/remaining duration, and over/under time based upon read rates and duration of embedded clips.

**DaletPlus NewsCast**
- News broadcast module for managing the rundown and presenting scripts;

**Scrolling/Prompting Features**
- “Prompter-like” view of the rundown.
- Self-scrolling script display with prompter line guide.
- Adjustable scrolling speeds.
- Preview upcoming scripts.
- Audio bites embedded directly in the script.
- Automatic or presenter-controlled play out of audio bites.

**Self-Operate Mode**
- Presenter reads scripts and triggers audio play out.

**Studio-Operator Assist Mode**
- Allows multiple people to read scripts, trigger audio play out, and make rundown/story changes.
- Synchronized view of latest scripts and rundowns among all users.
- User customizable workspaces and views.
- User rights management regulates access to scripts and rundowns.
Managing the complete content lifecycle

DaletPlus is an enterprise-wide media asset management system providing radio stations with an end-to-end, turnkey solution capable of managing the complete lifecycle of audio material – from ingest and production to scheduling and broadcast – across multiple sites. Altogether, these DaletPlus capabilities translate into a broadcast solution that guarantees a lower total cost of ownership and provides a significant return on investment.

**Main features at a glance**

- **Source**
  - AudioRecorder
  - TrackFiller CD
  - NewsDepot
  - MediaWall
  - ActiveLog Recorder
  - Agency Wire feeds

- **Ingest**
  - AudioSurfer
  - ClipBin
  - MediaCutter
  - RichMedia Forms
  - IPTC and NewsML text feeds

- **Editing**
  - AudioSurfer
  - ClipBin
  - MediaCutter
  - RichMedia Forms

- **Scheduling**
  - Scheduler
  - MixEditor
  - InBox

- **Broadcast**
  - Carts
  - DaletPlus
  - NewsCast
  - Music Rotation
  - OnAirNow! for DAB

- **Distribute**
  - Audio Conversion Server
  - Image Conversion Server
  - Dalet Web Portal
  - Multi-Site Support

- **Archive**
  - ArcLite
  - RDS ASCII Exporter
  - Off-Line storage

- **Tools**
  - Teamwork & Workflow Tools
  - Approval Management
  - Access Rights

- **Storage and Media Asset Management**
  - Exchange of meta-data titles and programs through MOS or more advanced XML interfaces.

- **Search**
  - “One-click” full-text search
  - Advanced search

- **Java Integration Platform**

- **Scalability for enterprise-wide deployments**
  - DaletPlus Radio Suite can be set up in all kinds of operations: from the smallest self-operated studios, to the largest enterprise-scale networks. Up to several thousand users can be sharing broadcast quality content across wide area networks and across multiple locations. Broadcast operations can even be monitored and controlled remotely.

**Easy system integration**

DaletPlus can be implemented as an extension to legacy digital and automation systems. It supports multiple stations and studios, multi-lingual environments and fully exploits MOS and ActiveX technologies.

**Extension to Dalet 5.1 systems**

DaletPlus can be implemented as an extension to Dalet 5.1 and Dalet TeamNews, operating on top of existing infrastructures. It provides enhanced functionality whilst allowing for incremental deployment and migration.

**Tighter workflow management**

DaletPlus improves productivity by facilitating collaboration across multiple teams. Approval management is optimized to simplify time-sensitive production and ensure mission critical delivery. With advanced security and status features, DaletPlus provides the tools to easily implement and maintain sophisticated workflows.

**Reliability for fail-safe broadcasting**

DaletPlus Radio Suite benefits from an advanced client/server architecture designed to ensure reliable non-stop broadcasts, from live events to fully automated schedules. If an on-air workstation client or a broadcast server experiences problems, a hierarchy of automated recovery modes ensures that broadcast continues uninterrupted.