Studer DigiMedia
Compact Broadcast Automation System
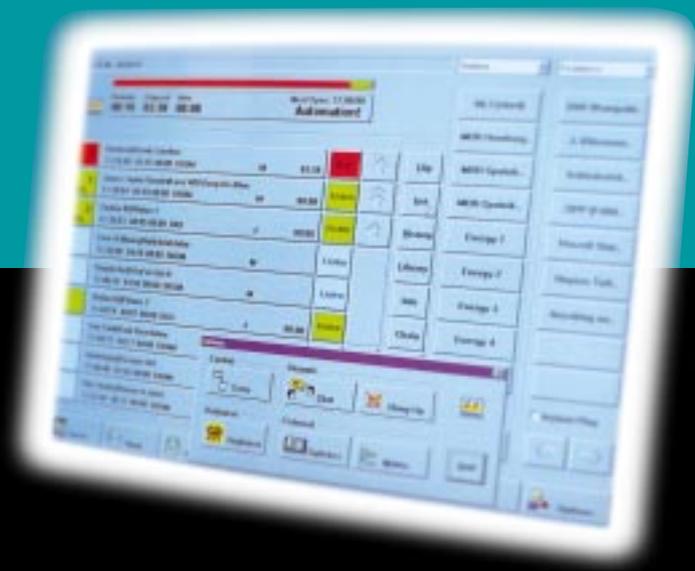
Studer DigiMedia

The Smart Broadcast Solution
- Simple & Economic
- Scalable through full flexibility
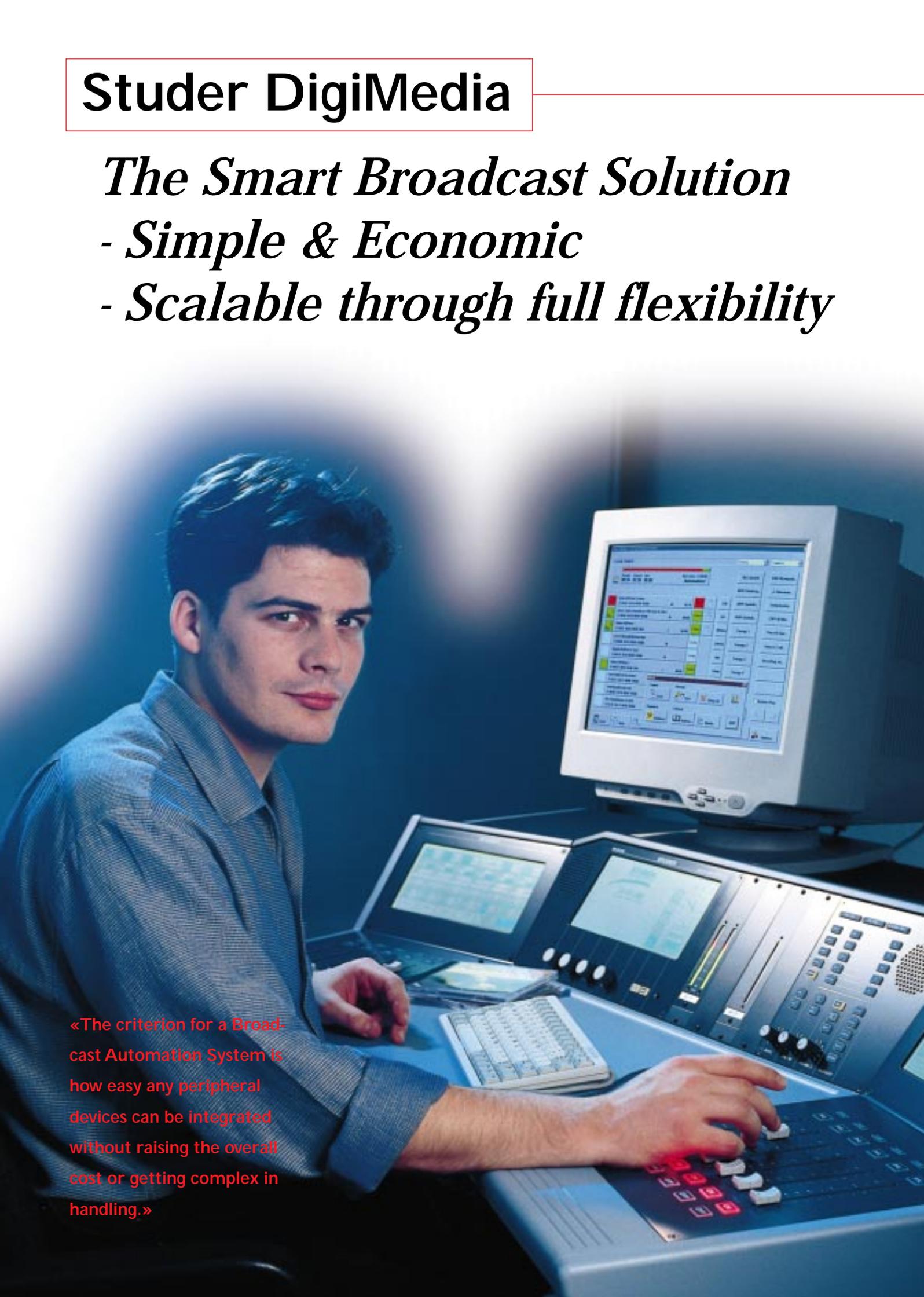
«The criterion for a Broadcast Automation System is how easy any peripheral devices can be integrated without raising the overall cost or getting complex in handling.»

In the field of Radio Automation a modern solution has to meet the customer's request independently of what his prerequisites are. This means that full integration to a standard Studio equipment as well as to a wide range of peripherals is essential.

DigiMedia can meet these goals in an elegant way without raising your overall cost. This is achieved through a modular, intelligent programming of all system applications to be open for future demands. The software layout makes use from the most modern and reliable operating platforms of todays computer systems.

Studer is delivering not only one more to the existing solutions but can benefit from its heritage of studio know-how and is also the very supplier of all essential ergonomic professional components which contribute to make a Radio station successful. A good example is the marriage with our new On-Air 2000 Continuity Console which facilitates the overall handling to a unprecedented degree (automatic Fader-start and displaying information on the console screen via a common interface protocol to the DigiMedia system). ■
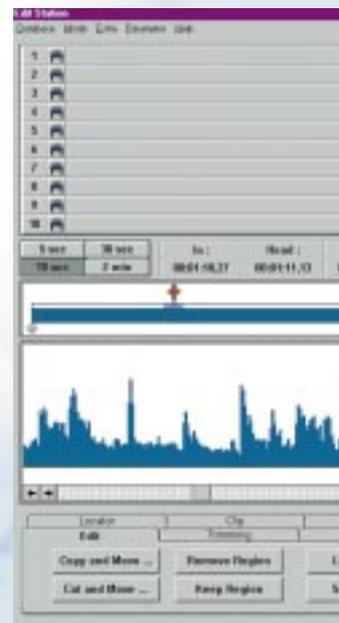
Option panel
Giving access to various tools such as Chat Mode, controlling of an external Audio Matrix, switches of peripheral devices, Radiotext selection and others. ■
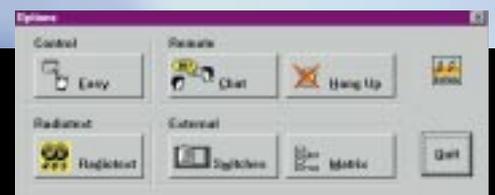
On-Air Screen Control
Main screen in On-Air Studio controllable by any pointer device, including touchscreen. Serves as control center of all On-Air activities including direct access to all titles located in the database ■

On-Air Remote Control (Optional)
Identical image function of the local On-Air screen with password protection. Accepts a wide range of communication modes – even controllable via wireless GSM phone. ■
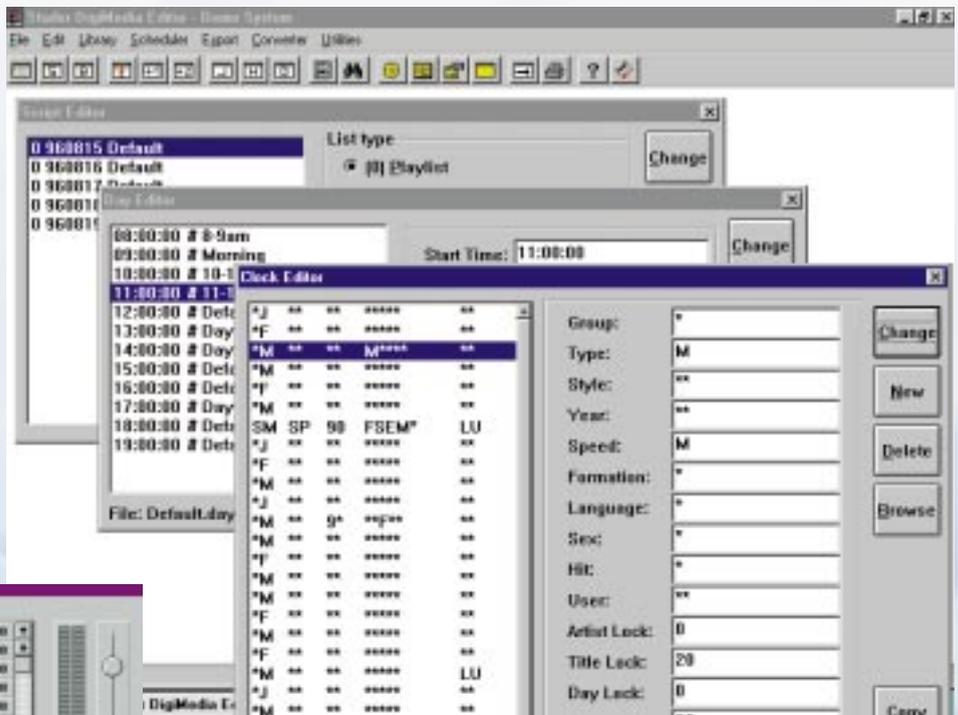
Scheduling & Database Handling

Automatic or manually assisted Playlist Scheduling for one or several days in advance. Can run in the background while doing other foreground tasks. Database handling may be classified in up to 7 Access Levels with various printout and file format facilities. ■
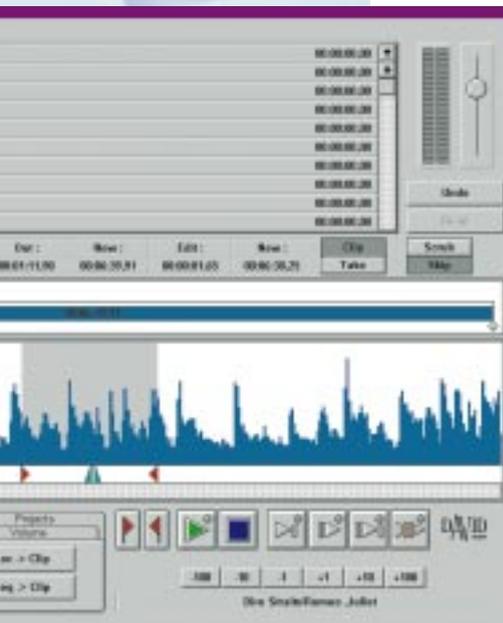
Audio Editing

Fully integrated editing tool with or without mixer software. ■

Easy Recorder / Player

Giving access for listening immediately to any harddisk title from the library and opens the Audio Editor for instant recording of a new take. ■

Editing

NT4

Scheduling

NT4

Intake

NT4

100 MBit/s

On-Air

NT4

Remote On-Air

On-Air Console

Remote Source

CD-Jukeboxes

NT4

Server
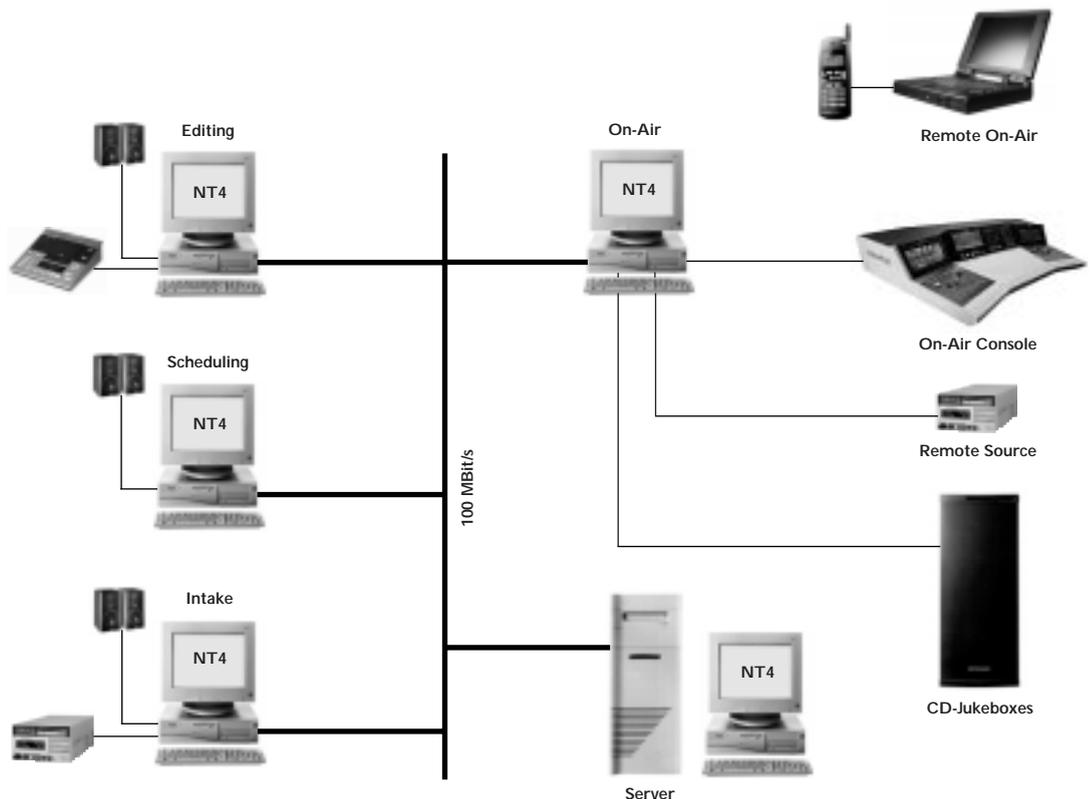
Studer DigiMedia Features

– PC-workstation based Radio Automation System
– Expandable from a minimal system configuration of one single unit via peer-to-peer networking up to fully networked workstations with numerous editing workstations sharing a central database server.
– Full 32-bit programmed software makes benefit from the most modern operating systems (WIN NT4 & WIN95)
– Powerful database handling with various Import & Export facilities
– Intelligent Automatic Playlist Scheduling
– Integration of Edigas/Edimix editing Software from D.A.V.I.D into DigiMedia
– Universal Audio Recorder/Player with Access from library surface
– Full Remote Control of On-Air Screen via modem link
– Dynamic RDS (Radiotext) for Topics and Instant Messages sent to the Receiver's Display
– CD-Jukebox Management for up to 4000 CDs
– Possibility of full digital signal paths from CD input/HD-recording up to crossfaded digital outputs towards the digital On-Air Console.

■ **Minimum Specifications for Workstation:**
a) Studio PC or Editing/Scheduling PC

CPU: P-90 minimum, P-133 or higher recommended
8 MB RAM min., 16 MB recommended
Graphics Standard: 1024x668 resolution, 16 or more colors, requesting suitable 17" -monitor.
Min. two serial COM-ports + one parallel LPT-port
For use with serially controlled peripheral devices additional RS-232 card (COM3) is requested in the On-Air PC.

Operating System: Windows95 or Windows NT 4
Windows compatible mouse or Trackball
Touch Screen as alternative to pointer device
Any network card for direct link between On-Air PC and Scheduling PC (Peer-to-Peer) supported by Windows. Suitable network wiring: Coaxial or 10-Base-T .

b) Studio PC used to play harddisk audio simultaneously
Enhancement of the workstation to higher performance:
O/S: Windows NT4
CPU: P-133 minimum
32 MB RAM

■ **Remarks to overall system configuration**
1) Basically both tasks, On-Air application and scheduling may run on one single PC. Overall performance is depending upon type and speed of PC.

2) Even for smaller systems a two PC solution with peer-to-peer network is strongly recommended.

3) For increased system performance when using large databases a true NT-Server solution with an adequate network structure is better suitable. (High-performance network troughtput).

The On-Air application can only be run with the included hardlock device (dongle card or plug).
The software licence applies for each On-Air programme but includes the use of several scheduling workstations within the same system.

Studer DigiMedia

The Smart Broadcast Solution

The modern radio automation system Studer DigiMedia has been developed by radio professionals with extensive hands-on experience; a system with outstanding ease-of-use and reliability. Due to its modular design DigiMedia can be integrated in any existing studio environment. Its functionality goes far beyond the playback of audio programs. Modern digital mixing consoles such as the Studer On-Air 2000 can be fully controlled by DigiMedia. Worldwide, in many radio stations, DigiMedia demonstrates its high stability, functionality and ergonomics around the clock – in renowned Studer quality.

Reliable – Flexible – User Friendly
With the DigiMedia Automation System, mixing consoles, routing systems, recording and playback equipment, Studer provides system solutions for a complete range of broadcasting applications.

OnAir Station
The main display in the continuity studio controls the sequence of the on-air program. In addition to the playback and prelistening of the selections from the play list, access to the entire database is possible. Jingles, format elements or reports can be played out directly from the OnAir station, also if they are not planned in the play list. Access to supplementary functions such as RDS or matrix control is also feasible.
The on-air monitor is controlled via mouse, touch screen, control signals (faderstart) or an external remote keyboard.

OnAir Remote
DigiMedia can be operated via the screen of a remote workstation. It makes no difference whether the workstation is connected via a LAN or a modem. Its high-speed transmission protocol supports also operation via GSM modem.
The user interface corresponds to the one of the On-Air Station. Messages between the remote station and the studio can be exchanged through a Chat Window.
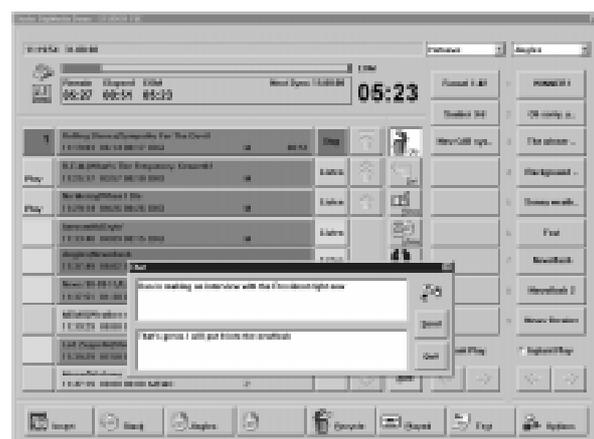
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Scheduling

Play lists can be created automatically or manually on the Edit Station. Modifications are possible at any time on the Editstation as well as on the OnAir Station. The play list can be assembled in advance or shortly before the broadcast.
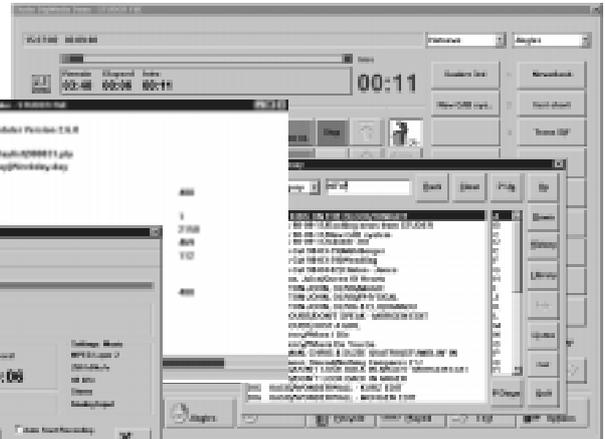
Recorder

Reports or music selections can be recorded via an intuitively operated recorder. Stored recordings are available immediately in the database. Of course, all selections in the database can be prelistened.
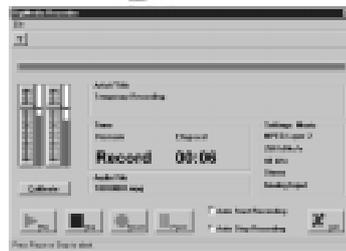
Dynamic RDS

Various RDS signals and messages can be sent out. In addition to automated output of RDS data also Instant Messages can be transmitted. Even images (JPG/GIF) can be added. This is important in view of future Digital Radio formats.
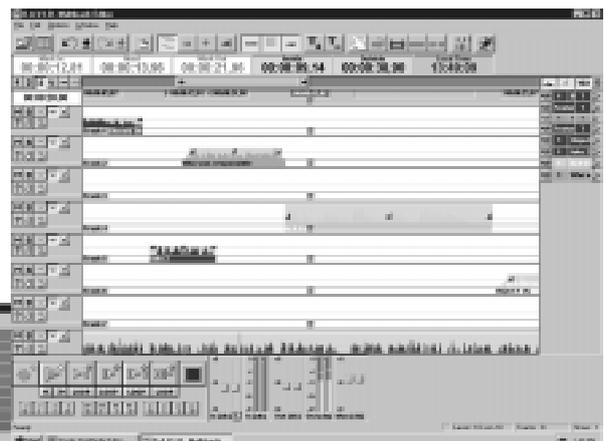
Editor

Professional 2-channel and multitrack editors are available for DigiMedia. Edited elements are stored directly in the database.
Elements stored as "Hotnews" are displayed on the OnAir Station and are ready for immediate playback.
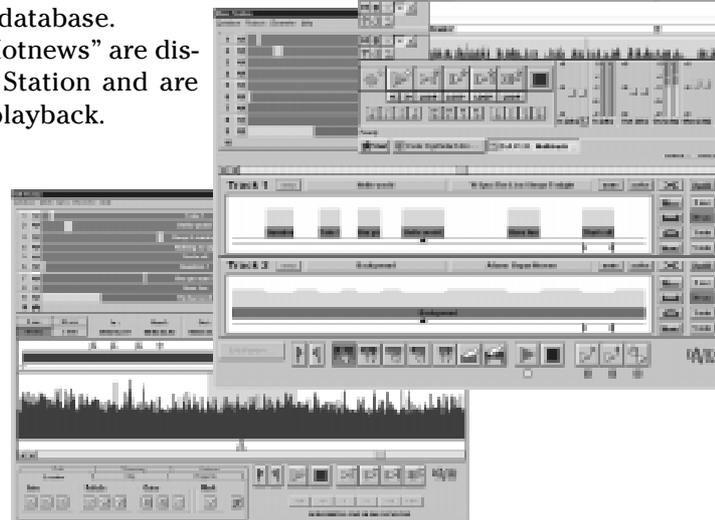
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Split Controller

A program can be regionalized via the Split Controller. Several play lists can be played in parallel, e.g. for local commercials or news.
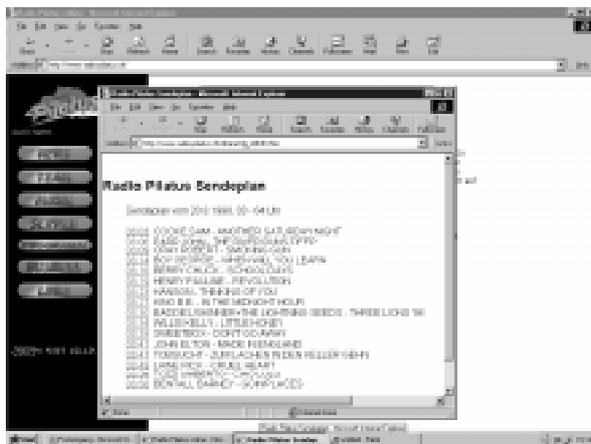
AutoRecorder

The AutoRecorder allows automatic, time- and event-controlled recording of audio signals.

Playlist Import

Import functions are available for importing Playlists from external systems into DigiMedia. The universal interface can be easily adapted to various systems.

Commercials Import

This interface allows data to be imported from commercials scheduling software. Interfaces are available for various products and the range of interfaces is continually expanded.

CD Download

The CD download allows fast copying of CDs to the hard disk. Stored files can subsequently be converted to the MPEG format through a batch process at which time also the sampling frequency is adapted.

Internet Publisher

The Internet Publisher generates HTML and RealAudio files. These files can be integrated in a home page and allow access to the playlist as well as all transmitted selections and reports. Also self-activating links can be integrated.

Integration

DigiMedia is able to control products from other suppliers (Orban Optimod, CD Jukeboxes, Minidisk devices, 360Systems DigiCart, … others on request).

Technology

All DigiMedia modules are 32-bit applications running on Windows™ platforms (Windows 95/98 or NT4.0). Standard PC hardware and network technology is supported. The PC hardware requirements are a Pentium 133MHz with 32MB RAM or higher. Small DigiMedia systems can run on a peer-to-peer network, while server based networks are preferable for larger systems. Several standard audio formats are supported, including linear or MPEG encoded.
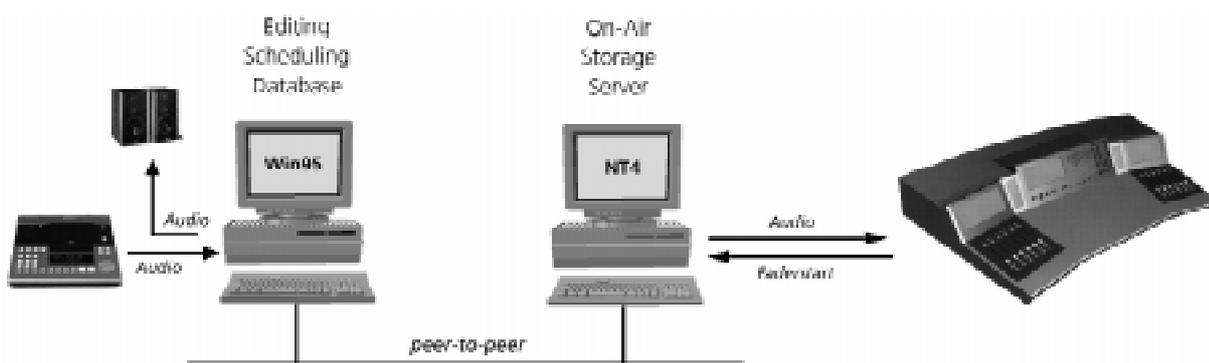
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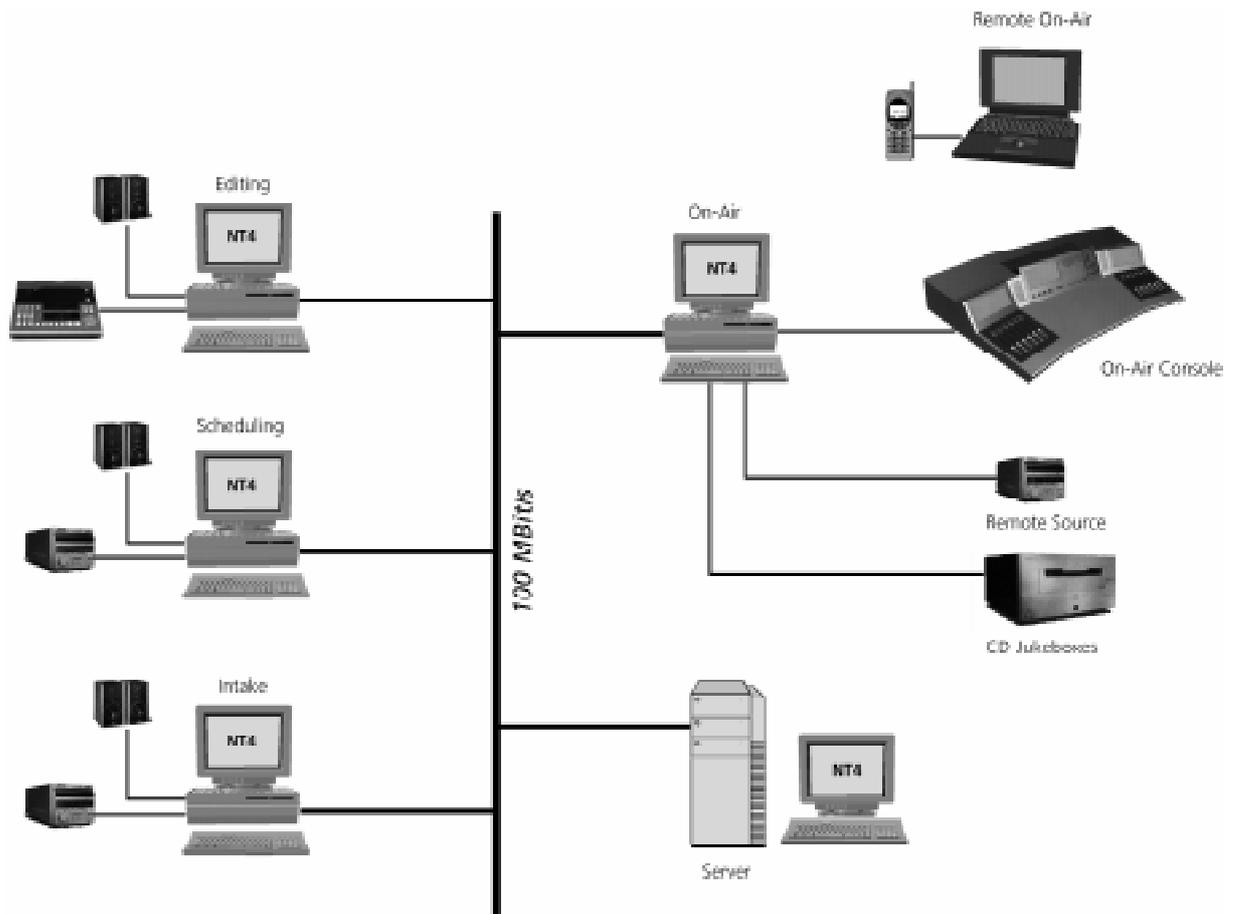
STUDER
professional audio equipment

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