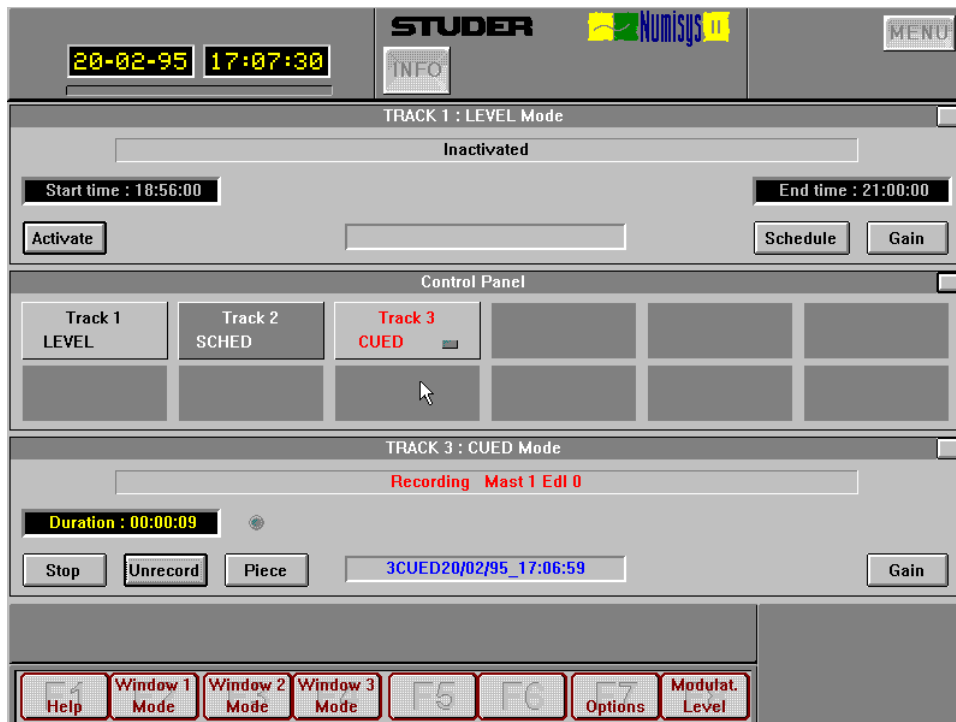# Numisys II

Intake system

## Let's Numisys records for you

OVERVIEW

Numisys proposes a system able to do **automatic recording** of up to 8 different audio signals .

The audio recorded is compressed in MUSICAM standard and stored in a central server or a local PC.

All audio records are automatically inserted in a Database to provide easy access and management of available items.

This system may be used as a **standalone system** with only an editing/administrative position or as an **element of a complete radio automated system**.
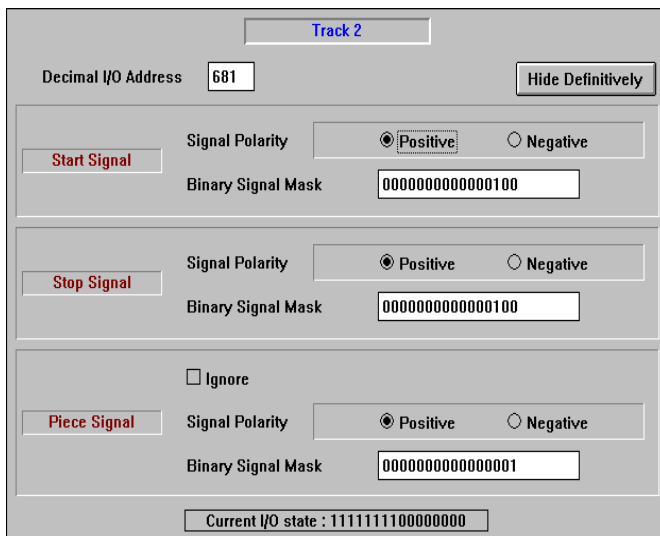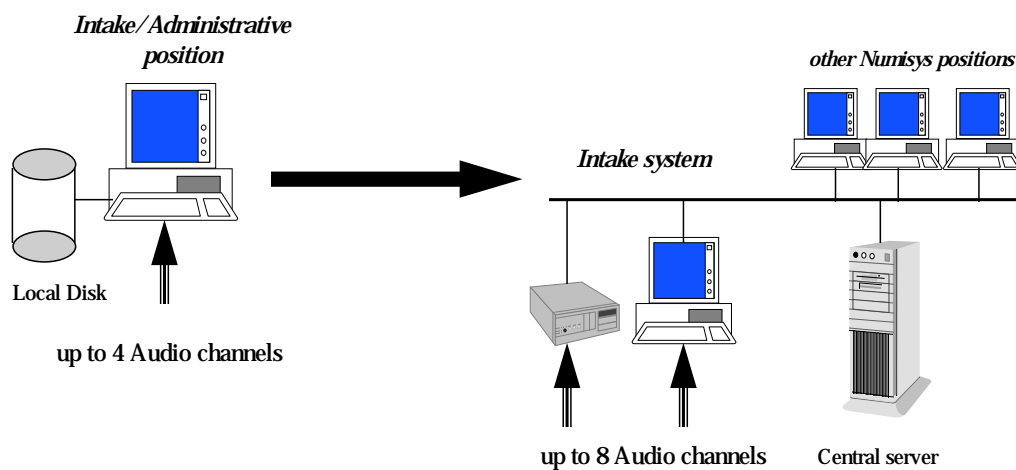
FUNCTIONS OF THE SYSTEM

The intake system provides 4 different ways to manage the automatic recording:

*   remote control by **relay contacts**

*   **time schedule**

*   **audio level detection**

*   **remote control via telephone** and DTMF tones.

Each one of the 8 audio channel available may be configured with one of the 4 modes mentioned above.

Relay contacts
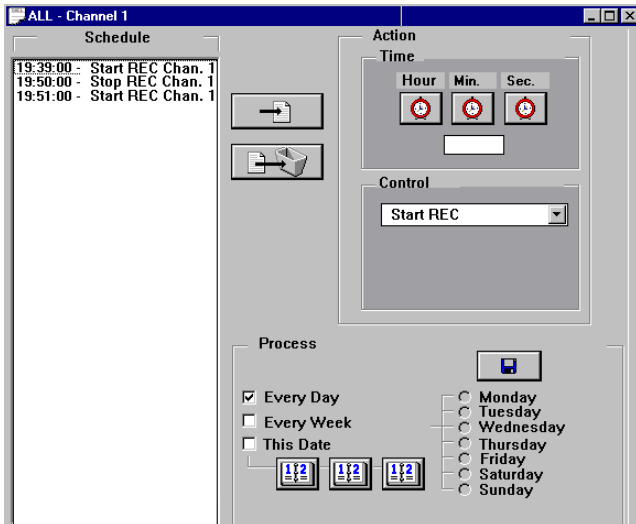

It is possible to control recording of an audio channel with relay contacts. The 3 functions proposed are:

- **START** RECORD

- **STOP** RECORD

- **MARK** during RECORD in order to simplify future editing.

A dedicated window allows to configure the software according to the hardware chosen to connect the relays.

Time schedule

The time schedule is defined by a set of **actions** edited on line with the workstation and affected to the audio channel selected.
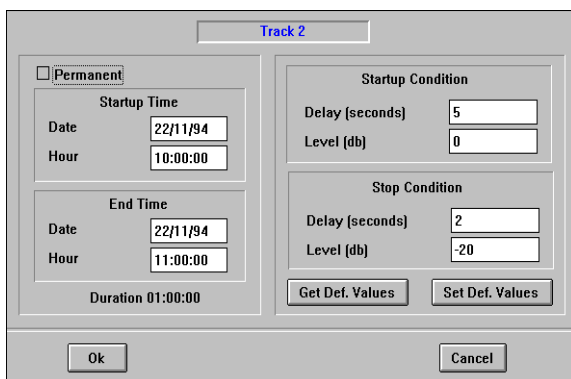
The actions may be defined for
- every day
- one day of the week
- a special date

The system automatically merge the actions to be processed each day of the year.

When activated, **hard disk capacity is automatically reserved** in the system to ensure proper recording.

Audio channel status is always displayed: Waiting, Recording, Inactive.
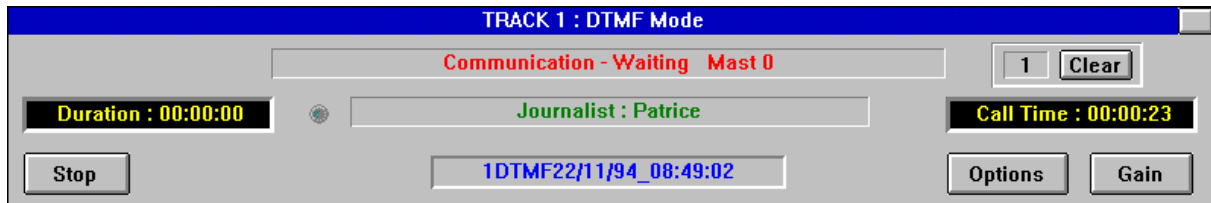
Level Detection

The system allows to **define start/stop conditions**:

- audio level and minimum duration required

- permanent or scheduled period of activity (level detection)

When conditions are matched new records are automatically started or stopped

Call detection and remote control via DTMF

By using a standard telephone line and a **DTMF telephone set**, or and **ISDN equipment**, the system allows to record audio elements.

The ISDN board is able to detect ISDN and telphone quality.

As soon as a incoming call is detected, the system automatically connects the line.

Audio channel status is always displayed on screen: activity, identification of caller, call duration.

For each audio channel, two modes can be configured: **journalist** or **listener**.

The listener mode is a kind of answering machine. With the journalist mode, the record is fully remote controlled:

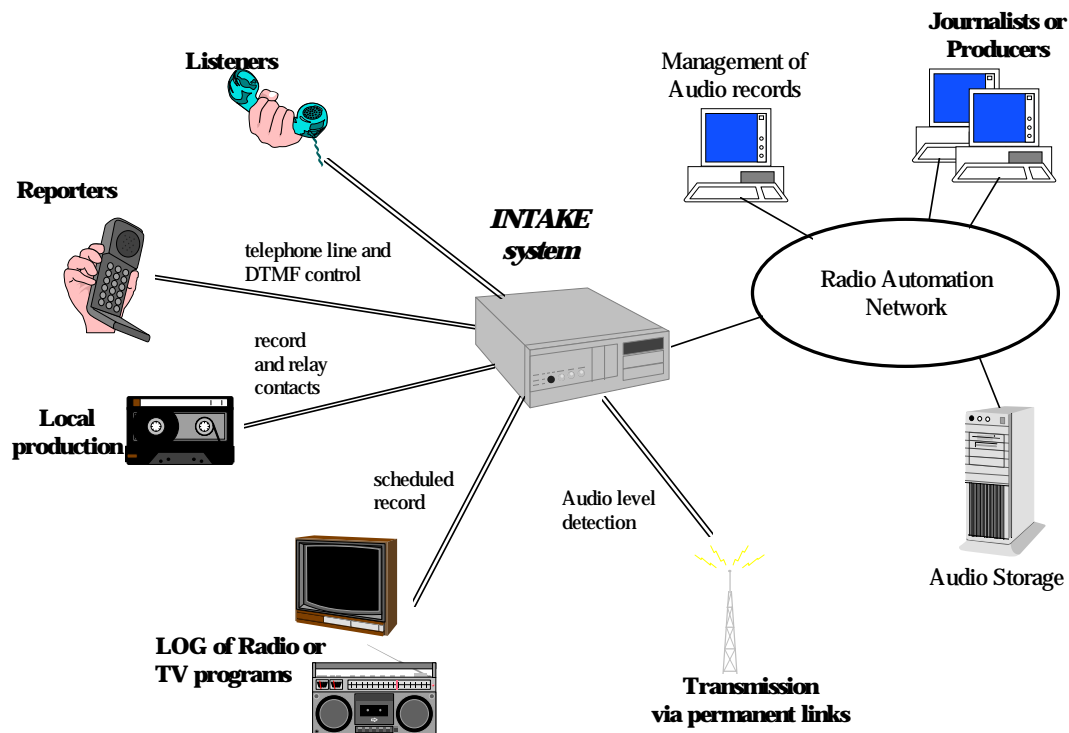| Journalist Mode	Listener Mode
• Identification of caller with code	• Welcome message
• Record	• Automatic and configurable duration of record
• Mark	
• Stop	
• Play, Rewind, Forward	
• Validation of last record	

POSSIBLE APPLICATION

- Collect and use messages from your listeners

- Transmission of reports by the journalists via a simple telephone or ISDN line at any time of the day

- Record of local production triggered by fader starts, remote push buttons, external machine

- Log of TV and Radio news program (with scheduled records)

- Record of reports or productions received on permanent line (with audio level detection)

TECHNICAL SPECIFICATIONS

Local audio record

- Compression of audio with DIGIGRAM PCX9 board

- One analog stereo input & one AES input per audio channel

- One analog stereo & 1 AES output (with audition option)

Audio characteristics

Input line or micro: 600 Ohms

Input / Output level: < +26 dBm

Audition Output level (option): <+10 dBm

Adjustable gain

Use of telephone lines

- XCOM board for telephone interface (call detection, welcome messages, ...)

- DTMF standard: Q23

- 4 RJ45 telephone inputs

- One analog stereo & 1 AES output (with audition option)

Use of ISDN lines

- ACAMAS board for ISDN interface (call detection, welcome messages, ...)

- DTMF standard: Q23

- 1 S0 ISDN input

- One analog stereo & 1 AES output (with audition option)

Minimum configuration required

- PC Pentium 133Mhz 16MB RAM running under WINDOWS with SVGA display

- 500 MB required for software & database

- 1GB required for 8/16 hours of stereo/mono record