



ElettraSuite Recorder Unit

Your TETRA voice communications
traceable always !

tetra solutions



network elements

ADAPTANET[®]
IP solution

ELETTRA
SUITE

**SELEX**
Communications
A Finmeccanica Company



EletttraSuite Recorder Unit

Your TETRA voice communications traceable always !

PRODUCT DESCRIPTION

The SELEX Communications **EletttraSuite Recorder Unit** stores, manages and analyses all TETRA voice traffic in EletttraSuite and EletttraSuite ADAPTANET® IP networks.

Based on the most advanced technologies, the *Recorder Unit* combines a user-friendly design approach with competitive Professional Mobile Radio features. It ensures the highest level of security for sensitive traffic, whilst recording voice communications. Its client-server architecture comprises two main units:

- Recorder Unit
- Replay Station (up to twenty replay stations can be connected to the recorder via a LAN/WAN)

The following are stored for each registered call:

- Time and duration of call.
- Call priority and type (individual or group).
- Caller identification.
- User called identification.
- Identification of each user during the conversation.

Flexible architecture

Scalability and reliability are provided by a modular approach, enabling you to manage storage type and capacity, as well as hardware performance. The *Recorder Unit* is based on:

- An administrative server.

- Up to two recorder units.
- RAID 1 technology for secure storage of information.

Security of data transmission

IP Recorder Units are network elements and, despite TETRA's advanced encryption mechanisms, might represent a security threat and a potential point of weakness.

To resolve this issue, SELEX Communications paid particular attention to how data is managed, and how a user can get access to stored data. Consequently, data transmission from the TETRA network to recorder and *Recorder Unit* to replay stations are in a SELEX Communications proprietary format.

Ensuring privacy

An overlay VPN network is built on top of the data link to make secure connections. In each replay station, profiles associated to different hierarchy levels can be configured. This allows any operator to gain access for any selected subset of subscribers.

Only the supervisor has a complete access to databases. This guarantees complete system traceability.

To prevent any unauthorised access, all data recorded may also be encrypted when stored on CD/DVD.

FUNCTIONALITY

The operator can execute the following operations:

Direct listening

Through the replay station GUI, clicking on the "Listen" icon makes it possible to detect if the mobile terminal is in transmission mode and, in this case, to listen directly to the conversation.

Filtering

It is possible to filter the visualisation of the recording (e.g., by time, date, priority, type, etc.).

Advanced filtering

The advanced filtering function enables managers to search the database for recordings of stored calls.

TECHNICAL CHARACTERISTIC

In terms of hardware configuration, the centralised recording system is hosted in a single cabinet 19" to 25 SU. It comprises:

- Recorder station (able to manage up to 4 E1 PRI, not IP version) (fully equipped optionally two recorder).
- Ethernet switch.
- Up to 640 TETRA channels supported.
- Administrative server.
- One RAID storage system (NAS) with Serial ATA disks, configurable with suitable capacity. In typical storage system configuration, 100,000 recorded hours are guaranteed.

TECHNICAL DATA

Physical

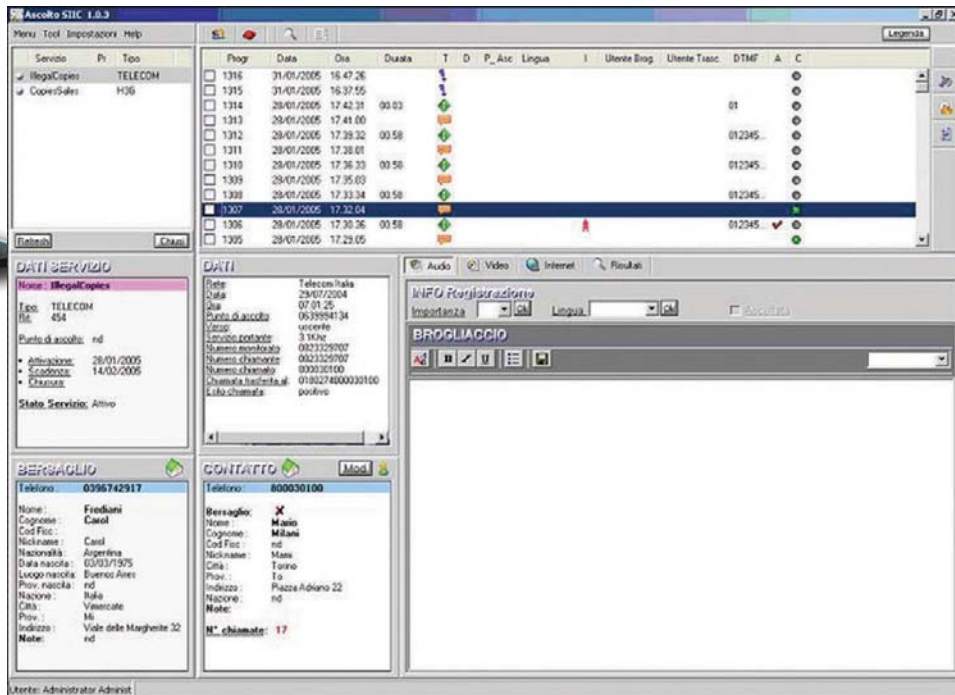
Installation:	19" EMC rack, 25 SU
Overall dimensions (W×H×D):	60 × 120 × 60 cm
Weight:	150 kg.

Primary power supply requirements

Power supply:	100 V to 240 V (50 to 60 Hz)
Power consumption:	270 W
Power consumption (fully equipped):	1500 W

Environmental conditions

Reference standards:	<ul style="list-style-type: none"> • ETSI EN 300 386 • ETSI EN 300 019-2-3 • ETSI EN 6095:2000 (AC ports)
Operating:	ETSI ETS 300 019-2-3 class 3.1
Storage:	ETSI ETS 300 019-1-1 class 1.2
Transportation:	ETSI ETS 300 019-1-2 class 2.2
Operating temperature:	From +5° to +30 °C
Safety:	<ul style="list-style-type: none"> • CENELEC EN 60950 • IEC 60950 • ETSI EN 60950 • UL 60950 3a Ed., CAN/CSA-C22.2 No. 60950 3a. Ed.
Electromagnetic Compatibility:	<ul style="list-style-type: none"> • FCC classe A • VCCI classe A • AS/NZS 3548 classe A • CNS 13438 • 89/336/CEE



Graphic interface for recording station operator

Recording Unit station fully equipped

