



SIMLogger

multi-channel call recording system for analog, system, ISDN 30B+D and 2B+D lines

SIMLogger - stand-alone fully functional call recording system for recording calls and fax transmissions on analog, digital system (proprietary PBX), ISDN 30B+D, 2B+D and radio-telephone lines.

Each voice or fax call is recorded as a separate file along with a unique call id, date/time, call duration, channel number, call direction, called and caller's number etc.

It is possible to record conversations in encrypted proprietary or WAV format. SIM recording formats were tested by forensic experts and received a positive recommendation for using for a court evidence purposes.

Basic functionality (local unit):

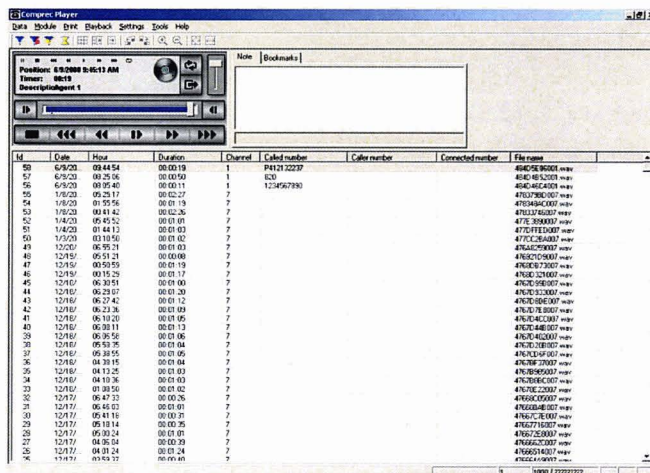
- Configurable recording's format – per channel
- Recording calls in the *.wav format and/or a compressed format from telephone, fax and radio lines
- Decoding DTMF and FSK signaling (for analog lines)
- Capturing and decoding of dialled numbers and recording radio signals in Select V standard (analog) for radio lines with Select V signalling
- Capturing and decoding of D-channel information for digital system (PBX proprietary) lines (information available on phone's LCD)
- Decoding numbers (dialed, called, group/ACD numbers etc.) for ISDN lines
- Information about time and date of call, length and format of a call
- HDD usage monitoring, automatic file removal mechanism – configurable by an administrator

	SIMLogger v.01	SIMLogger v.02	SIMLogger v.03
enclosure	RACK 19" ~2U	RACK 19" ~2U	RACK 19" ~3U lub 4U
local operation	Built-in control panel 4x20 LCD display	Built-in control panel 4x20 LCD display	Built-in control panel 4x20 LCD display
remote operation	LAN/WAN, optional web interface	LAN/WAN, optional web interface	LAN/WAN, optional web interface
Archiving	Auto local and network	Auto local and network	Auto local and network
Database	SQL – up to 2 million records	SQL – up to 3 million records	SQL – up to 3 million records
Storage capacity	depending on the recording format: max. 48 000 hours	depending on the recording format: max. 56 000 hours	depending on the recording format: max. 56 000 hours
supported phone lines/signal sources	analog, ISDN 2B+D	analog, system, ISDN 2B+D, ISDN 30B+D	analog, system, ISDN 2B+D, ISDN 30B+D
Maximum capacity (channels/unit)	up to 8 or 16 channels	up to 24 or 30 channels	up to 32 channels
mirroring	optional alternative to the local archive	optional alternative to the local archive	optional
other	USB port, built-in speakers, audio output, external ports PC Peripherals	USB port, built-in speakers, audio output, external ports PC Peripherals	USB port, built-in speakers, audio output, external ports PC Peripherals
additional software	Playback software – for local and remote (LAN / WAN) playback	Playback software – for local and remote (LAN / WAN) playback , reports	Playback software – for local and remote (LAN / WAN) playback reports, recorder's monitoring

- Selective recording on ISDN, system and analog lines (with DTMF/FSK signaling)
- Additional Call Data provided by a PBX – in case of integrated systems
- Automatic Gain Control during recording
- Ring detection function for analog lines
- Recording in advance
- Multi-level access rights management
- Multi-language support
- LAN / WAN operation
- Access to full GUI – when connecting external monitor, keyboard and mouse.

Local real-time monitoring and playback:

- Local real-time listening and playback independent on recording process
- Filtering criteria: date, time, time interval, telephone numbers, call direction, channel number etc.
- Possibility of combining search criteria
- Rewind, playback from a specific moment, pause
- Additional functionality when using optional full graphical interface:
 - Marking fragments of a call for listening
 - Advanced filtering of recordings, additional parameters of filtration and any combination of search criteria: start time, end call, call length, channel description, recording's attribute, date/time periods, file format, signal source, info, call tags, SQL query
 - adding and editing notes
 - customization of GUI – defining list of available/viewable columns, call related information



ID	Date	Hour	Duration	Channel	Call number	Connected number	File name
50	6/9/20	08:44:54	00:01:19	1	941212237		4865818005.mpeg
57	6/9/20	09:25:06	00:00:50	1	820		4865818205.mpeg
56	6/9/20	09:37:40	00:01:11	1	123456789		48658182405.mpeg
55	1/6/20	05:29:17	00:02:27	2			476137800100.mpeg
54	1/6/20	01:55:56	00:01:19	2			476136460000.mpeg
53	1/6/20	00:41:42	00:02:26	2			476133760007.mpeg
52	1/6/20	00:45:52	00:01:01	2			476133000000.mpeg
51	1/6/20	01:44:12	00:01:03	2			476133150007.mpeg
50	1/5/20	03:10:50	00:01:02	2			476132640007.mpeg
49	12/20	06:50:21	00:01:03	2			476132000000.mpeg
48	12/19	05:51:21	00:00:08	2			476131700000.mpeg
47	12/19	05:50:55	00:01:19	2			476131370005.mpeg
46	12/19	00:15:29	00:01:17	2			476130120000.mpeg
45	12/16	00:30:54	00:01:00	2			476129400007.mpeg
44	12/16	00:29:07	00:01:20	2			476129120000.mpeg
43	12/16	00:27:42	00:01:12	2			476128800007.mpeg
42	12/16	00:23:36	00:01:09	2			476128180007.mpeg
41	12/16	00:10:20	00:01:05	2			476126420007.mpeg
40	12/16	00:00:11	00:01:13	2			476124460007.mpeg
39	12/16	00:39:56	00:01:06	2			476124020000.mpeg
38	12/16	00:53:35	00:01:04	2			476123180005.mpeg
37	12/16	00:38:55	00:01:05	2			476123040007.mpeg
36	12/16	04:30:15	00:01:04	2			476120870000.mpeg
35	12/16	04:12:25	00:01:03	2			476120490007.mpeg
34	12/16	04:10:36	00:01:03	2			476120360007.mpeg
33	12/16	01:30:56	00:01:02	2			476120000000.mpeg
32	12/17	00:47:22	00:00:26	2			476119020007.mpeg
31	12/17	00:46:02	00:01:01	2			476118640007.mpeg
30	12/17	00:44:16	00:00:31	2			476118100000.mpeg
29	12/17	00:18:14	00:00:35	2			476117710007.mpeg
28	12/17	00:30:24	00:01:01	2			476117280007.mpeg
27	12/17	04:36:04	00:00:38	2			476116620007.mpeg
26	12/17	04:31:24	00:01:24	2			476116050007.mpeg
25	12/17	03:53:12	00:00:45	2			476115410007.mpeg

Integration examples:

- PBXs – with CSTA or other CTI link
- Command and Control Systems
- Multikom-2 telecom system
- Other third-party products can be integrated using API

Local archiving:

- Local backup to CD or DVD
- Manual or automatic archiving
- Archiving criteria (list of recordings to be archived) accessible by playback application

- Automatic start of backup process – based on configurable settings (like exceeding max. amount of data, periodic etc.)
- Backup media information (like serial numbers etc.) are stored in recorder's database
- Automatic calculation of the size and quantity of archival data storage media

Network Features:

- LAN / WAN operation
- Remote monitoring, management and configuration using Windows mechanism, VNC, Radmin or other third-party tools
- Automatic network backup, the ability to define any number of paths for local or network archiving
- Multi-recorder architecture – allows to build systems from several recorders connected via LAN/WAN (requires optional software and additional server)
- Playback software for LAN/WAN operation

Additional applications for SIMLOGGER recorders

Remote management:

- Comrec Server application for remote management via LAN / WAN
- WebServer application for web-based remote management
- Other commercial applications for remote smangement for the Windows, like PC Anywhere, Radmin

Remote playback:

- NetPlayer application: search, playback – for not encrypted and not compressed (G.711) recordings (application available free of charge as standard equipment)
- WebPlayer application for web-based search and playback of encrypted and not-compressed (G.711) recordings
- NetPlayer Plus application (USB dongle protected) for search and playback of encrypted and compressed recordings.

Additional NetPlayer Plus functionality:

- graphical visualization of recorded faxes
- conversion of encrypted recordings to WAV format
- reconstruction of the database
- deleting recordings

Remote monitoring:

COMSA Recorder application for remote monitoring of recorder's status and automatic notification to selected users about any abnormal events (notification by e-mail, SMS option, voice telephony, etc.).