

# Digital Voice Logger (E1-Line)

PCVL –E100



**ORIGINAL EQUIPMENT MANUFACTURER  
OF  
VOICE LOGGING SYSTEMS**

***Radio and CTI Expert Organization***



**PULSE COMMUNICATION SYSTEMS PVT. LTD.**

F-90/22 OKHLA INDUSTRIAL AREA PHASE 1, NEW DELHI-110020

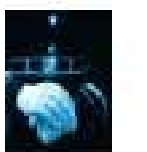
Mob: +91 9891393876, Tel: +91 11 26817139, Fax: +91 11 26817138

Email: [info@pulsecom.co.in](mailto:info@pulsecom.co.in) Website: [www.pulsecom.co.in](http://www.pulsecom.co.in)

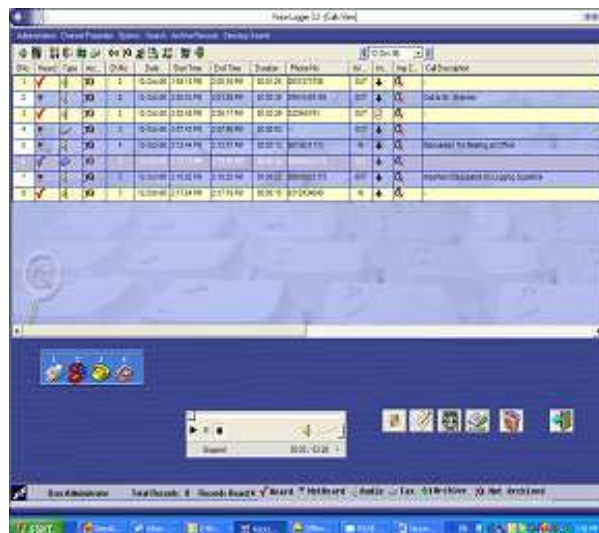


**E1/PRI LINE DIGITAL VOICE LOGGER**

## Product Information



PCVL-E100 is an indigenous PC based Multi-Channel Digital Recorder designed for obtaining extended recordings of Audio/data Signals from E1 lines. PCVL-E100 was specifically designed keeping in view an economical solution for extended recordings during surveillance and communications operations. The system is designed with modular maximum expandability at minimum cost.



The Voice signal are recorded in compressed format on a magnetic media usually a Hard Disk Drive and immediately converted to nonproprietary .WAV format for playback. System can be configured either as server mode or workstation mode

Simultaneous monitoring of all the 30 channels of E1-Line is possible on a single system. A complete database containing all the call related information like In/out tag, Incoming/ Outgoing Numbers, Calling Date, Call Start Time, Call End Time, Call Duration etc. is maintained. Extended search capabilities on all the call related information is also available. There are also provisions for sorting records based on channel no., telephone no., date, start time, end time, call duration etc.

The Call Logging module would log all the call details, including the data and time for each call in a different file. The calls are logged onto the hard disk of a PC. The logging will continue without human intervention. The administrator can get a summary of all the calls that have been logged, and can listen to them On-line. The Editing module is the other module, which will allow the message to be edited by standard operations such as Cut, Copy, and Paste etc. Both the environments will be interactive working under Microsoft Windows platform. Entire System is quite user-friendly and doesn't require any special Training for computer usage.

The System is able to pick up an incoming call as soon as the call is responded and start recording. When the caller hangs up, it detects the event and stops the recording



## **Features**

### **Voice Recording**

Automatic Recording of both sides telephonic conversation/ audio conversation, simultaneously on all the channels.



### **Date & Time**

Recording of Date, Time and duration of the call. Moreover the system also offers the start and stop time of the recorded calls.



### **Start / Stop Time**

The system will also record Start and stop time of all the recorded conversations.

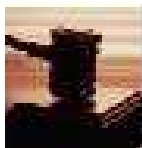
### **Duration**

Duration of all the recorded calls are logged and can be reviewed on the main screen.



### **In / Out Tagging**

Tagging for incoming (In) and outgoing (Out) numbers against the telephone numbers.



### **On Line Monitoring**

Simultaneously, On-Line Monitoring of all the channels on PC, Laptop, Mobile, Landline.

### **Sorting**

A user-friendly operation for sorting through Channels No, calls (In / out), Start time, stop time, duration and Date & Time.



### **Searching**

User friendly operation for searching the logged calls by Channel Numbers, Date and calls (In/ out)



### **Editing / Filtering**

All recorded messages can be edited and filtered for noise and the actual meaningful message can be amplified for better sound quality.

### **Pseudo Lines**

Automatic recording on Pseudo Lines i.e. Calls of a Cellular phone target diverted on a landline phone will be recorded automatically without any human intervention.



## Features

### **Link with Cellular / Phone Directory**

Automatic link to Cellular Phone directory for searching the name and address of dialed and incoming mobile numbers. (Database from local mobile operators to be provided by the procuring agency)



### **Channel Filtering**

This feature allows the user to independently configure channels to filter out the recorded calls having dialed number

- Starting With...
- Containing...
- Ending With...



### **Archiving**

Backup of calls recorded on all channels.

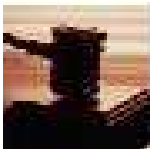
- Selected Archiving lets the user select the calls, which has to be backed up.
- Complete Archiving creates a complete backup of calls that have been recorded



### **Alert/Indication**

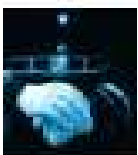
System will give alert on:

- Disc Full/Approaching Full (Programmable)
- Target Active



### **Security**

Multi-level security by Password Protection system (administration, Supervisor, Operator and Archiving)



### **Hot Numbers**

Audio and Visual Alert Indication on Incoming Call of Target Numbers marked as Hot Numbers.

### **Manual Call Forwarding**

System also has facility to forward recorded call to mobile or land-line of authorized personal.



### **Automatic Live Call Forwarding**

System has also has facility to Forwarding Live Calls of a target to its mapped authorized personal automatically.



## Features

### **Grouping of Target**

User has the facility to map and group target numbers on a particular channel for easy searching and monitoring.



### **Compression**

User has a choice to select from various compressions Algorithm to use the Hard Disk space in optimum way. Even; selection to record calls in RAW format is also available for recording digital tones



### **Remarks**

Customized Solution for putting multiple remarks (Call Details, Frequency, From, To, Group, Signal Strength, DF Information, Transcript, Memo, Commands) used to examine Telephone



### **Log Details**

Administrator will be able to get log of all the activities performed by the Users/Operators during Operation of the Voice Logger.

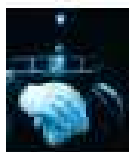
### **Call Analysis**

Call Analysis of all the recorded calls will be available on the basis of various fields which are required By various Government & Law Enforcement Organizations.



### **3<sup>rd</sup> Party Applications :-**

Feature to integrate 3<sup>rd</sup> Party application used by the Customer such as Noise Filtering, Speaker Recognition, Speech Analysis, Database etc.



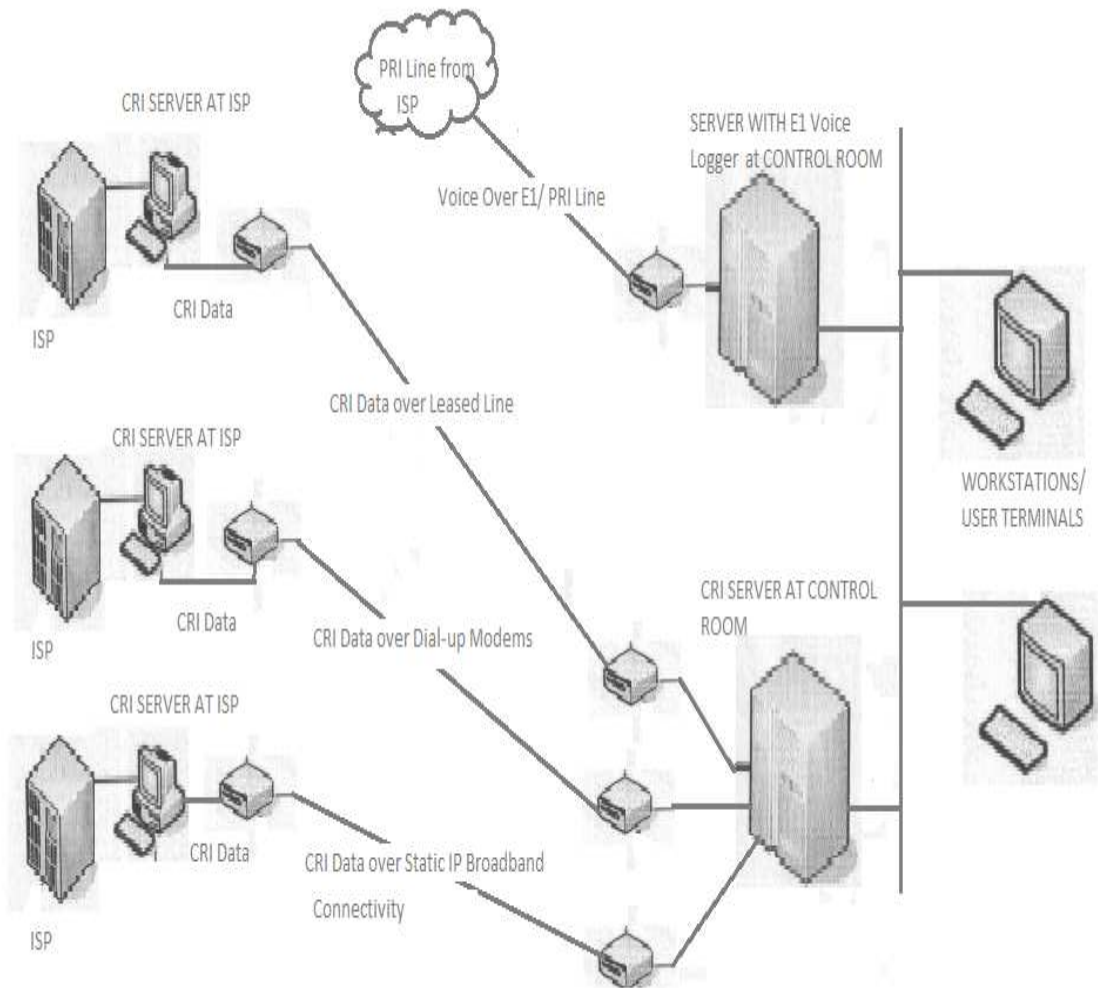
### **Enhance Search Facility**

Much advanced Search Facility is available to narrow down the search on multiple criteria's. Moreover Strong Boolean functions are utilized in Search Options.





## CRI Data Configuration (Optional)



Our system has facility to integrate Call Related Information/Data available at ISPs at central location with the Digital Voice Logger as shown in configuration diagram above. It is an optional feature and is not available with the standard system.



## Technical Specifications



**Channels/Speed** 2.048MBPS(E1-Line)

**System Connectivity** ETHERNET

**Line Coding** HDB3/ B8ZS and AMI G.704 and multi Frame. Both CRC Enable/Disable Mode.



**Line Impedance** 75 Ohm (for coaxial cables)  
120 Ohm (for Twisted pair)

**Jitter Attenuator** In accordance with G.823 / ITU T.826 / ETS CTR 12/13



**Loss of Signals (LOS)** G.775 /ETS 300

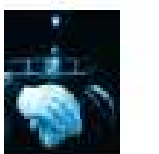
**Voice Coding Method** 64 KBPS (A/M law) G.711 PCM

**Trigger Mode** Pseudo Mode



**Compression** ADPCM, A-LAW,M-LAW,PCM (User programmable for each channel)

**Sampling Rate** 8000 samples per second



**Power** 12VDC at 1A



**TECHNICAL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT OBLIGATION OR NOTICE**