

## THE ATIS MODEL PL-2000DT

**HARSH ENVIRONMENTS REQUIRE A *TOUGH* VOICE AND DATA LOGGING SOLUTION.**



- **Field proven design**
- **Robust failsafe application**
- **Field-tested in mobile and stationary applications (Armed Forces)**
- **Network ready**

- **True Real-Time Call Monitoring**

Listen to a call as it takes place and navigate through the already recorded portion.

- **Long-Term Stability**

No fragmentation of instant access hard drive storage.

- **Failsafe System**

Automatic recovery after power failure during operation.

- **Instant recording to removable media and stress reduction**

Select direct recording to removable media and HDD buffer or allow accumulation of data before recording to removable media.



The PL-2000DT is a member of the Advantage Series line of recorders featuring the MDR Recording System. The PL-2000DT provides the ultimate in recording technology where reliability and dependability are of the utmost importance. The system offers a high level of integration into existing communication installations.

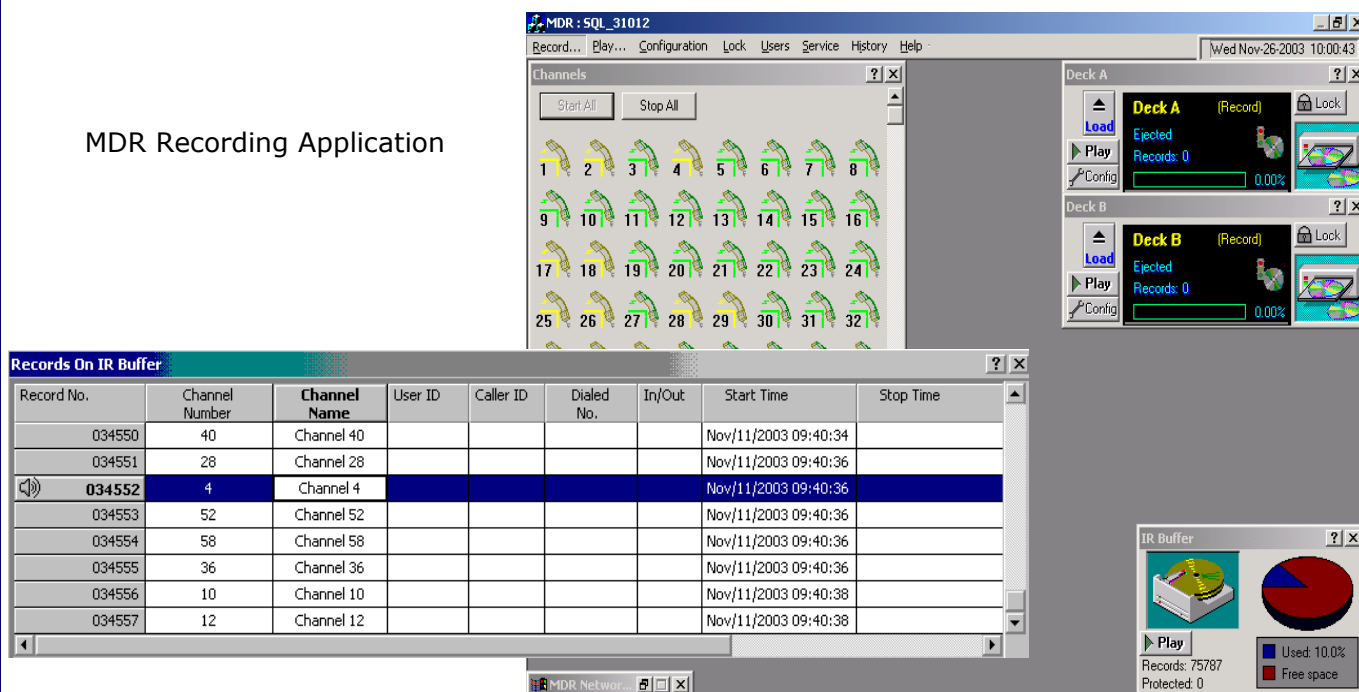
The easy to use Graphical User Interface (GUI) makes the PL-2000DT ideally suited for applications in public safety, surveillance, air traffic control, public utilities, financial institutions and corporate businesses.



The PL-2000DT space saving design (built-in color display, keyboard and mouse) and optional ruggedization makes this system practical in space restricted mobile or stationary applications. Field reports have returned excellent results in harsh environmental conditions such as sand and extreme heat.



## MDR Recording Application



Record No.	Channel Number	Channel Name	User ID	Caller ID	Dialed No.	In/Out	Start Time	Stop Time
034550	40	Channel 40					Nov/11/2003 09:40:34	
034551	28	Channel 28					Nov/11/2003 09:40:36	
034552	4	Channel 4					Nov/11/2003 09:40:36	
034553	52	Channel 52					Nov/11/2003 09:40:36	
034554	58	Channel 58					Nov/11/2003 09:40:36	
034555	36	Channel 36					Nov/11/2003 09:40:36	
034556	10	Channel 10					Nov/11/2003 09:40:38	
034557	12	Channel 12					Nov/11/2003 09:40:38	

## Features

- Secure communication recording.
- Easy system operation.
- Reliable long-term archiving.
- Flexible system configuration.
- Robust Windows® 2000 operating system used as a shell for the MDR recording application.
- Powerful processor technology.
- **Records from 8-64 channels.**
- Uses 4mm DAT or 4.7 GB DVD RAM as archive media.

## Recording Options

- Analogue and/or digital inputs.
- Continuous record, VOX and COR.
- Selectable voice compression per channel.
- Continuous or on-demand archiving.
- Call Related Data (CRD) - date, time, phone numbers, operator, etc.
- It is possible to program the system to stop and start recording at specified times.
- The system can be set to record or not to record certain phone numbers, either outgoing or incoming.

## Playback Functions

- Listen to a call that is in progress and play back portions of the call before recording is complete without interruption of the recording process.
- Instant replay from the HDD for up to 15 operator positions via LAN.
- Comprehensive audio database search facility.
- On-line and off-line playback without interruption of the recording process.
- Multi-channel playback available for records on the HDD and archive media.

*Please contact ATIS, Ltd. directly for additional information.*



## TECHNICAL SPECIFICATIONS

### System Platform

- Industrial Enclosure—19" rack mount, 4 PU high.
- Dimensions: 431 mm x 177 mm x 480 mm.
- CPU/Bus system—Passive ISA back plane with industrial single board computer (SBC).
- Operating System—Microsoft Windows 2000 Professional, ATIS Application software: English (German, French, Italian, Spanish and Portuguese on request).
- Peripherals Built in: 6.4" TFT monitor, keyboard and touch pad mouse. The system can be operated with an external PS/2 mouse, keyboard and standard SVGA monitor in the event that one of the internal components becomes defective.

### Input Interfaces

- Channel Capacity: 8-64 channels, mixed card mode (digital/analog) possible.
- Analog Interfaces: 8 input channels per board, high impedance 20 Kohm or 600 ohm DC isolated (selectable per channel). Input voltage range 18 mV—2.2 Vrms, AGC per channel.
- Recording Start: Continuous recording, VOX, COR or optional voltage sensing.
- Digital ISDN Basic Rate Interface—4 BRI links (8 B-channels) per board, protocol EDSS1 (others available on request).
- Digital ISDN Primary Rate Interface—One PRI (E1 30 T1 24 B-channels). Same board may be used for connection to E1 or T1 terminating lines with mixed or separated traffic direction and CSA signals.
- Frequency Range: 300...3400 Hz, according ITU.
- Data Compression: Selectable 64 kbits/sec, 32 kbits/sec (ADPCM 2:1) or 16 kbits/sec (ADPCM 4:1). Digital Silence Encoding (DSE) and reconstruction selectable on record and/or playback.

### Time/Date Reference

- Time Synchronization: Internal RTC (standard). Option: IRIG B, GPS or RS 232 connected time source.

### Instant Replay Storage

- Recording Capacity: Approx. 10,000+ hours based on 4:1 compression (larger capacity upon request).
- Access via RS 485 control—up to 8 remote control consoles (ATIS RC 2000®, RC 3000®) can be connected simultaneously to the RS 485 bus, audio is provided to the consoles by dedicated two wire cable.
- Access via LAN: Up to 16 workstation PC's may be connected to a (preferably dedicated) LAN, audio comes "over LAN", a special ATIS workstation license is required for each PC.

### Playback Functions

- Audio Outputs: Speaker jack, headphone jack, re-record jack for an external tape recorder, mixed line output for up to 8 channel simultaneous playback.
- Database Search: By date/time, channel number, channel name, call duration, call direction, caller ID and dialed number. Manual search: Scrolling the database. Search for marked records (instant replay system only).

### System Security

- Audio Data: Programmable media overwrite/erase protection. Lockable drive compartment. Password protected system access. Multi-level access structure.
- Alarm Relays: Three alarm levels.

### Service Functions

- System diagnostics: Service menu for card auto test functions. Option: Access via modem or LAN link (TCP/IP protocol) for remote diagnosis, update and configuration.



**TECHNICAL SPECIFICATIONS CONTINUED****Environmental Conditions**

- Environment: Climate controlled computer office. Temperature (operation): 5°C - 55°C. Temperature (storage): -20°C - 60°C. Relative humidity: 10...80% (non-condensing).
- Power Supply: 90...130 VAC; 180...240 VAC; 47...63 Hz out sensing; 12,24,48 VDC supply optional.
- Power Consumption: Approx. < 100 VA (excluding monitor).
- UPS: The use of an external UPS is highly recommended.

**Options/Upgrades****Connectivity**

- Proprietary Recording Protocols: Connection to digital extensions of PABX's with protocols different from EDSS1 on special request.
- Computer Telephone Interfacing: CTI functionality with e.g. CSTA protocol of various PABX manufacturers available on special request.
- Network Integration: The ADVANTAGE Series can be integrated into LAN/WAN using TCP/IP communication protocol.

**Network Installations**

- Centralized Database: Option—Several PL-2000DT's can be connected to a common database server for centralized administration, search and playback.
- Supervisor Position: Option—For centralized operation, configuration, password access control and long term archive administration.
- Operator Position: Option—PC Workstation for online search and playback.

**Other**

- Power Supplies: Hot swap redundant power supply (available on request).
- External UPS optional.
- Instant Recall Capacity: Extendable to 120 GB, equivalent to approx. 15,000+ hours. Option: Mirroring of the HDD for increased data safety.
- Remote Diagnosis and Maintenance: Option—available via modem.

**Stand-Alone Reproducers**

- Stand-Alone Reproducers are available. Playback software only for installation in standard WIN computers with compatible archive drives.

**Long Term Archiving (Removable Media)**

- Drives: Up to 2 DVD drives - 9.4GB \*(Others available upon request).
- DVD Cartridge: Single sided disk - 4.7 GB (650 recording hours at 16 kbits/sec).
- DVD Cartridge: Double sided disk - 2 x 4.7 GB (650 recording hours at 16 kbits/sec on each side).
- Drive Operation: (Identical copies), sequential, master/slave operation with two decks selectable or one deck in record mode the other in play mode with no service interruption.
- DAT DDS-2, DDS-3 4mm tape.
- MOD Drive 5.2 GB (Magneto Optical Disk).

