

THE ATIS INSTANT RECALL- IR 40

INSTANT RECALL, *WHEN SECONDS COUNT*



- Compact Solid State Digital Recording
- Easy to Operate (5 Keys)
- Over 11 Hours Recording Capacity
- Call Counter for up to 1000 Calls
- Excellent replay quality
- LC-Display with 2x20 digits
- Automatic Gain Control
- First-In, First-Out storage principle
- Manual overwrite protection
- Simultaneous Recording / Playback function
- DTMF Decoding and Storage
- Time-synchronization by internal RTC or RS232-Interface
- Available for different power sources
- Practically maintenance free

With the **IR40**, ATIS presents a new generation of instant recall recorders utilizing advanced digital technology.

The **IR40** easily connects to any audio source and provides a recording capacity of 680 minutes. Every recorded call is clearly identified by a call sequence number, the exact time and date, and length of call.

All vital functions of the **IR40** can be controlled from the front panel, or via the built-in RS 232 link. Recorded calls can be selected and copied via a front panel mounted re-record jack to any standard cassette recorder. Two units fit the space of 5.25" x 19".

In the fast paced world of today's 911 centers, dispatchers must be able to verify critical information quickly and easily. With this in mind, ATIS designed the **IR40** for outstanding sound quality and controls as elementary as possible. Using the latest in digital voice technology, messages are stored digitally and are available for instant access at any time day or night. No more worries about broken tapes or hard disk failures because ATIS has replaced all moving parts with compact solid state construction.

Available Configurations:

Rack Mount - single or dual recorder for installation console. Dimensions 5.25" x 19" x 10.25"

Desktop - self contained single unit for non-console applications. Dimensions 4.25" x 7.25" x 9.75"

Console Integration Unit - controlled via RS-232 or desktop. Dimensions 1.25" x 7.25" x 9"



TECHNICAL SPECIFICATIONS

Equipment Platform

- Housing - 19 inch standard plug-in module 3 PU, 42 TE (1/2 carrier width)
- Front panel - Dimensions 213 mm wide, 128 mm high, 180 mm depth. Color RAL 7035 light gray
- Weight - approx. 2 kgs

Input Interfaces

- Channel capacity - one input channel
- Input impedance (>10 Kohm) matching, transformer isolated
- Input voltage range - 5mV...500mVms
- Recording trigger - VOX noise suppression 30 msec (setup controlled) epilogue time 3...30 sec (setup controlled) COR noise suppression 1 msec trigger current 10 mA

Recording Technology

- Frequency range - 300...3400 Hz, according ITU
- Data compression - True Speech® selectable 8,5 / 6,3 / 5,3 / 4,8 kbits/s
- Signal to noise ratio - > 40 dBr
- Distortion - < 5%

Recording Capacity

- Time - up to 680 minutes based on 4,8 kbit/s compression (configurable in setup)
- Calls - up to 1000 calls
- FIFO - oldest communications will be automatically overwritten, manual overwrite protection possible

Date/Time Reference

- Time synchronization - by internal RTC (standard), or RS 232 (ATIS Protocol)

Outputs

- Voltage - 900 mVrms, power - 500 mW

Operational Functions

- Display - LCD with 2*20 alphanumeric characters, time/date reference, call sequence number, dialing information, CLIP
- Keys - 5 menu driven function keys: previous-start play-save call-next call-stop/pause-overwrite protection-last call-fast forward-set-move-fast reverse
- Audio - built-in loud speaker, with volume control
- Connectors - Audio/COR - 15 pole SubMin D male, RS 232 / time - 9 pole SubMin D female (2), tape output - 5 pole DIN connector, head phone - 3 pole head phone jack 6.3mm

Operating Conditions

- Environment - office environment; Temperature (operation): 0°C...50°C, temperature (storage): -10°C...60°C. Relative Humidity: 10...90% (non-condensing)

Power requirements

- Power Supply - Direct DC supply from battery 9...15 VDC (standard) and/or 90...130 VAC or 180...240 VAC, 27...63 Hz, wall socket (standard) or 24 or 48 VDC supply (optional)
- Power consumption - approx. 10 VA
- UPS - The use of an external UPS is highly recommended in unstable power situations

Options

- RS 232 remote control function (in preparation)

