

# TOTAL RECALL MULTI-CHANNEL DIGITAL AUDIO LOGGER

Totally self-contained, affordable, compact, easy to install, operate, upgrade, maintain and purchase.



## Automatic Recording of ALL Calls

**Total Recall** will automatically capture and securely record all phone or radio conversations which can be recalled whenever verification is required. **Total Recall** can also be used as a training and evaluation tool for staff who regularly conduct business with customers by telephone and two-way radio.

**Large Capacity Database** - if a dispute or emergency arises, you can recall relevant recordings from the **Total Recall** database which holds over 1600 channel hours of conversations. Recordings can be selected by date, time, phone number or channel number for instant retrieval and replay.

**Compact Desktop Unit** - comprises 4, 8, 12 or 16 channels in a single desktop unit. Use multiple units for higher capacity. No software installation or external hardware is required.

**Multiple Recording Inputs** - **Total Recall** will record from any audio source on a channel selective basis, including telephone, radio, microphone, intercom and more. It is also possible to 'live monitor' calls on a channel selective basis.

**Replay Options** - selected recordings can be replayed via an internal speaker, an external speaker or headphones. For replay on a PC, install the **Remote Recall** software supplied with **Total Recall**. **Remote Recall** reads from an Archived CD and converts recordings for replay on a PC. It also enables the transfer of recordings as .wav files or encrypted files via email. Text file information can be transferred via the serial port for use in spreadsheet applications. Calls can also be monitored, played, or searched and played directly from the PC when it is connected to **Total Recall** with the supplied serial cable.

**Archive for Security** - calls that need to be retained for longer periods can be automatically or selectively archived to an internal CD-R and kept indefinitely. Individual calls, or groups of calls, can be manually selected or tagged and copied to CD-R. Each inexpensive CD will hold up to 180 hours of conversations.

Now you can be sure of exactly what was said with...



**User Definable Options** - recording can be set to off-hook or VOX, and a beep-tone is selective by channel. Password security ensures complete management control of the Voice Logger. Software updates are field upgradeable.



## There are four user selectable menus:

**LOGGING** - Current Logger activity and live monitoring of active channels.

**PLAYBACK** - Search the database for recordings, and playback.

**ARCHIVE** - Select records to be saved and manually archived to CD or choose automatic archiving.

**CONFIGURATION** - Control of the system parameters such as passwords, system configuration, date & time.



## Three simple navigation keys:

**MENU** - This key is used to toggle through the four user menus.

**SELECT** - This key is used to select an option, or toggle through a list of options.

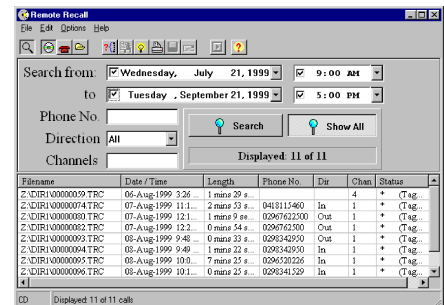
**UP/DOWN ARROW** - These 2 keys move the highlight bar up or down.

## Five control keys:



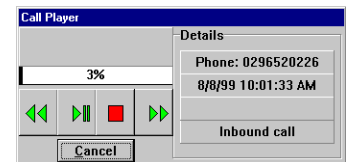
- ◀◀ Reverse back through a call, and back to previous calls.
- Stop
- ▶▶ Play the current selected call. Pause and restart.
- ▶▶ Fast forward through a call, and skip to next call.
- ▶▶▶ High speed forward through a call, and jump to next call.

**Remote Recall** software for replaying calls on your PC...



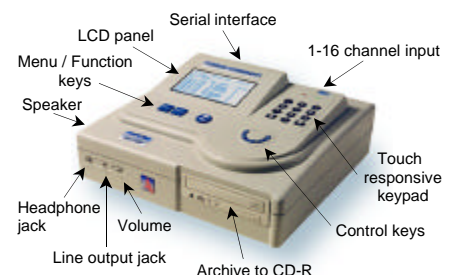
## REMOTE RECALL WINDOW

Recordings that have been logged with **Total Recall** and archived to CD-R can be replayed on any PC running Windows 95/98/NT. **Remote Recall** software is included. Use it to search, play and email recordings from archive CD-Rs. Use the supplied cable to connect **Total Recall** to a serial port on your PC and download the call database, search calls, and select calls for playback directly from **Total Recall**.

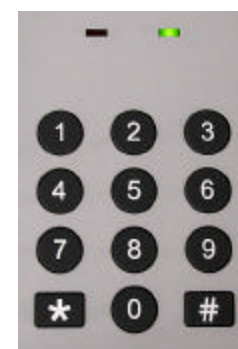


## REMOTE RECALL PLAYER

Remember, you do not need a computer or **Remote Recall** to install and operate your **Total Recall** digital audio logger.



## Numeric Keypad and LEDs:



**KEYPAD:** 0 to 9 number keys, including \* and # are used for entering search information, tagging calls, and other data entry functions.

**LEDs:** Red for alarm condition. Green to indicate all components operational.

# TOTAL RECALL

## MULTI-CHANNEL DIGITAL AUDIO LOGGER



**Total Recall** is a compact multi-channel logging recorder with built-in display and simple navigation keys. You can listen to monitored conversations live or replay them from the internal hard drive that holds 1600 hours of conversations. Archive all or selected conversations to inexpensive compact disks with the touch of a few simple buttons — up to 180 hours on a standard recordable CD that costs less than one dollar.

Play the archival CDs in the unit or use the supplied **Remote Recall** software to play them on your computer. Search for conversations by time, date, extension or line number, caller ID, DTMF data, etc. There is a serial port that lets you transfer information about the recordings to a spreadsheet or database.

Expandable from 4, to 8, 12, or 16 channels, each channel has a modular jack for direct connection to a phone line, analog phone extension, phone handset (analog or digital phone), two-way radio, broadcast audio source, room monitoring microphone, etc.

Additional features include: password security, recording beep option, WAV compatible recordings with text file headers, call tagging, voice-activation, graphical view of channel activity, monitor and replay using internal speaker or headphones.

**Total Recall** recorders are available in 4, 8, 12, and 16 channel packages that include:

**Remote Recall** PC software, serial cable—2 meters - RJ45 to DB9-F, power cord, manual, 12 month limited warranty, and a complementary start-up pack with an extra copy of the user manual, an 18' modular telephone line input cable with T-adapter for each input jack, and five recordable CDs. When requested, TSA-3LM handset connection adapters may be substituted for the phone line cables.

### **Total Recall features include:**

- ★ Designed to provide quality recordings of phone conversations or any audio signal.
- ★ It records digitally (records direct to a hard drive in compressed file format).
- ★ It starts and stops recording by voice-activation (VOX) or off-hook activation.
- ★ It has a serial connection for interface to a PC (to facilitate call accounting) and rapid playback of conversations from the remote PC.
- ★ It has a high compression factor, resulting in a large capacity storage capability.
- ★ It has a facility to live monitor calls.
- ★ All channels can be configured and managed selectively.
- ★ It is compact, self-contained, and easy to install, maintain, upgrade, and operate.
- ★ Over 1600 hours of on-line storage.
- ★ Calls will replay instantly from an internal hard drive.
- ★ You can search the database by date, time, number or channel.
- ★ LCD screen with simple navigation keys.
- ★ Caller ID (CID) capture of incoming call numbers (CID service required).
- ★ Built in compact disk recorder (CD-R).
- ★ Remote Recall software — replay calls from your Windows based computer.
- ★ WAV compatible recordings with text file headers can be emailed from your PC.
- ★ Archive all or selected calls to CD-R.
- ★ Recording 'Beep' option is standard.
- ★ Password security.
- ★ Call tagging.

### **Total Recall can be configured to record from various signal sources:**

- ★ An analog telephone line.
- ★ An analog telephone extension line.
- ★ A telephone handset, either analog or digital (via handset splitter).
- ★ A digital extension line, using digital to analog converters.
- ★ A radio or other audio signal presented as a 2-wire analog interface.

### **There are four versions of Total Recall:**

- ★ A 4-channel version. Part # TR-04.
- ★ An 8-channel version. Part # TR-08.
- ★ A 12-channel version. Part # TR-12.
- ★ A 16-channel version. Part # TR-16.
- ★ The 4, 8, and 12 channel versions can be upgraded to a maximum of 16 channels. Use multiple units to provide additional channel capacity.

### **SPECIFICATIONS**

Number of Channels: 4, 8, 12 or 16  
Security: Password required to operate all menus.  
Coding Method: 8kbps High Quality Vector Quantisation.  
Line Impedance AC: 6k ohm  
Line Impedance DC: 10M ohm  
Frequency Response: 300 - 3400 Hz, +/- 0.5dBm  
Signal to Noise: -34dBm  
Crosstalk: -60dBm  
Record (beep) Tone: 1.4kHz channel and level selectable (Off, -33dBm, -27dBm, -21dBm).  
Recording Trigger: Off-Hook or VOX (adjustable) VOX Hi -12dBm, VOX Mid -23dBm, VOX Low -29dBm.  
Internal Storage: Hard Drive.  
CD Drive: 650M Bytes IDE, uses CD-R media.  
Display: 5" x 2 3/4" Backlit LCD graphics.  
Power Requirements: 100VAC ~ 260VAC, 50 ~ 60 Hz.  
Max Line Voltage: Max tip to ring voltage DC 250VDC. Max tip to ring voltage AC 150V rms. Max tip to ground voltage DC 1500VDC. Max tip to ground voltage AC 1000V rms. 1000V rms.  
Analog Ports: 4, 8, 12 or 16 line input channels, Line out jack (3.5 mm phono jack), Headphone jack (3.5 mm phono jack).  
Serial Interface: RJ45 jack with cable for connecting to RS232 serial port on your PC, baud rate is 57.6 kbs.  
System Software: Field upgradeable via CD ROM.  
Operating System: OS/2 Warp 4 IBM.  
Warranty: Twelve month, limited.  
Size & Weight: 14 1/2" x 14 1/2" x 6 1/2", 1 1/2 lb net.  
Manufactured by: Arunta Comsec, NSW, Australia  
Distributed by: Omnicron Electronics, Putnam, CT U.S.A.

**Total Recall** comes with connecting cables that are suitable for most applications. For unusual installations, these cables can be replaced with other cables or accessories.

**Contact your Total Recall representative if you have any questions or for assistance in selecting the proper cables or adapters for your application.**

# Mark Townsend Electronics