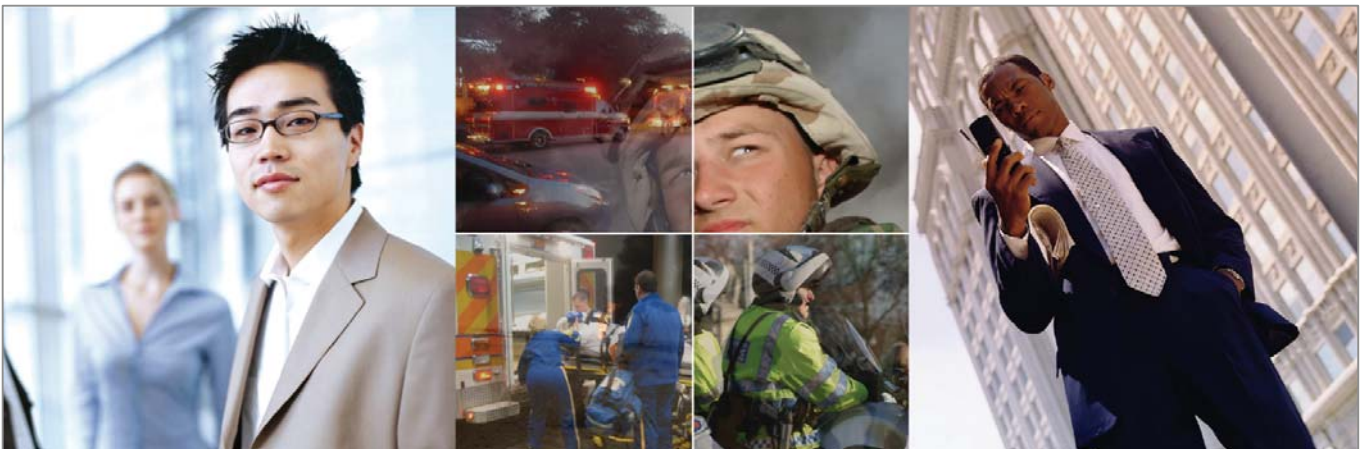# Total Recall VR

LinX Altus

Professional Audio Logging and Call Recording Systems

VoIP : Radio : Analogue : RTP : Consoles : DMR

High Capacity : Ultimate Reliability : Maximum Flexibility

Total Recall VR LinX Altus

The reliable voice logging solution for mission-critical communications

Total Recall VR **LinX Altus** provides a professional, robust and highly configurable rack mounted voice logging solution for larger capacity, enterprise-critical analogue, VoIP, DMR, RTP and/or radio recording applications.

LinX Altus is equally popular with enterprises, governments, public utilities (including Airports and Rail) and military across the globe.

Specifically designed for mission-critical applications, **LinX Altus** offers unprecedented levels of hardware redundancy, reliability, and interface flexibility. When you need the best and most secure call recording system on the market, you need Total Recall VR **LinX Altus**!

- ✓ 72 Simultaneous Analogue Channels;
- ✓ 30 Simultaneous VoIP/RTP/DMR Channels;
- ✓ 72 Simultaneous Analogue Channels PLUS an additional 30 VoIP/RTP/DMR Channels (in Hybrid Recording Mode).
- ✓ Up to 600,000 Hours On-board AV-GP 1TB SATA HDD Storage.
- ✓ Multiple hard drive options (AV-GP, Higher-Capacity and/or SSD HDD) for special installations or vehicle-mounted applications.
- ✓ Optional RAID-1 Hard Drive Configuration.
- ✓ Optional Dual Hot-Swap PSU.
- ✓ 220 (H) x 480 (W) x 230 (D) mm (5RU).

- ✓ Archive to CD/DVD/Blu-ray, USB devices, and Network Storage (NAS).
- ✓ Built-in Colour LCD Control Panel with keypad.
- ✓ Remote Management and Record on Demand (PCI DSS compliant) PC applications included.
- ✓ Seamless integration with major telephony, radio and console systems, including Tait, Hytera and Omnitronics.
- ✓ Used in some of the most demanding environments worldwide: Military, Vehicle-Mounted, Air Traffic Control recording (ATC), major Emergency Services (E-911) and more...

total recall USA

Professional, Flexible, Robust Voice Logging for Phone and Radio

In an increasingly security conscious, litigious and results-driven world, call recording and monitoring is vital to meeting your safety, duty of care and management needs. Total Recall VR **LinX Altus** is the fully featured, dedicated and professional voice logging system to match your requirements. Uncompromisingly reliable, and with flexible hybrid recording options, Total Recall VR **LinX Altus** is perfect for recording, archiving, searching and replaying your critical phone, radio and console communications.
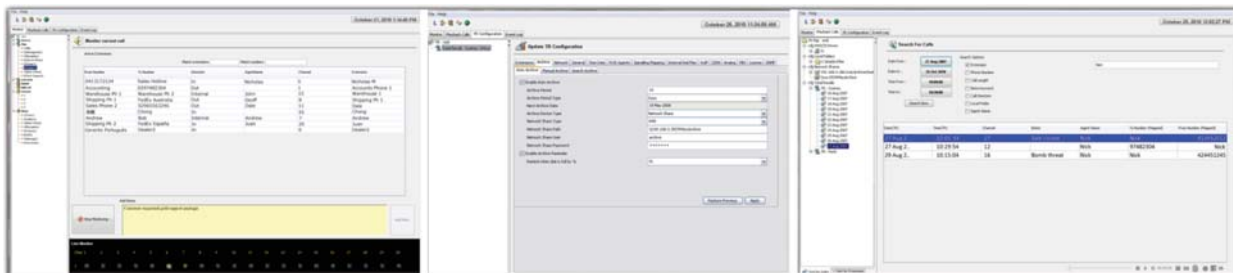
Fast & Convenient Access with Simple GUI and Navigation

Live monitor, search and replay calls from the built in control panel on **LinX Altus**, featuring simple navigation keys and a big, bright 130 x 97mm TFT LCD display. Your solution can be managed from the control panel via three menus (Logging, Search and Options) and four simple navigation keys. Call replay control keys (play/pause, fast forward, rewind, and stop) are also included. Alternatively, all unit functions and configuration can be managed via your network and **Remote Manager** - PC software included at no additional cost with your Total Recall VR **LinX Altus** system.

Reliable and Fault Tolerant, Multiple Long-Term Archive Options

Total Recall VR **LinX Altus** is custom engineered for voice logging, offering superior reliability compared to PC based systems. We combine numerous on-board hard drive storage options (including AV-GP, RAID-1, High-Capacity or SSD storage), together with the security, speed and reliability of an enterprise-grade UNIX operating system. Store up to 600,000 hours of call recordings on board (with HQVQ/SPEEX compression), and archive calls automatically or on-demand to inexpensive CD, DVD or Blu-ray media, network-attached storage or USB device.

Convenient and Powerful Windows PC Apps

Remote Manager PC software is included free with your system, to provide basic configuration, live monitoring, search and replay functions from the convenience of your Windows PC, via a TCP/IP network. You can also copy calls from your Total Recall VR system or archive discs to your computer, email calls in MP3, WAV, or secure TRC format, and add searchable notes to calls in real time.

Optional advanced PC apps are also available, providing highly configurable search & replay on TRVR systems and archives, multi-track waveform replay of calls, centralised continuous network archiving from one or multiple TRVR systems and/or simplified archive integrity checks & repair. Contact us (or your local TRVR reseller) for more information!

Record Everything – Combine Analogue and VoIP Telephones, Radios, RTP Streams, Intercoms and More…

LinX Altus can record up to 72 simultaneous analogue channels from any line-level audio source - telephones, 2-way radio, intercoms etc. Inputs are standard modular audio jacks that are compatible with a wide range of easily available accessories. Additionally, record up to 30 VoIP channels, RTP streams, DMR channels etc. in any combination.

Continuously live monitor by extension, or search and replay completed calls with ease. All functions are available via the built-in control panel, or from the comfort of your PC. Configurable Record-on-Demand functionality (PCI DSS compliant) gives users the option to record or discard current calls, or even to partially record calls if required. Record all calls, or between user-defined times.

Proven in thousands of installations worldwide, Total Recall VR is the professional and cost effective choice in voice logging systems and services, for all enterprise, government and military requirements.

LinX Altus Specifications:

Analogue
Hi-Z FXS/FXO 2-wire interface.
Caller ID detection: FSKR, DTMF.
Digit detection: DTMF.

VoIP
RJ45 (8P8C) connector.

SIP over UDP (RFC3261, RFC2976, RFC2833).
SDP (RFC3264).
H.323 over UDP or TCP (ITU-T H.323, ITU-T H.225, ITU-T H.245).
RTP (RFC 3550).
Tait VRP
Hytera DMR
Omnitronics IP

Encoding method: G.711 (A or µ-law), 8000Hz, 64Kbps, mono.

Voice Encoding
HQVQ, 8000Hz, 7.9Kbps, mono
SPEEX Q8, 8000Hz, 15Kbps, mono.
MPEG Audio Layer-3 (MP3), 8000Hz, 24Kbps, mono.
G.711 A-law, 8000Hz, 64Kbps, mono.
G.711 U-law, 8000Hz, 64Kbps, mono.

Audio File Formats
Total Recall VR (.trc).
Microsoft Wave (.wav).
MPEG Audio Layer-3 (.mp3).

Maximum Channel Capacity
Single-Interface Mode: 72 analogue channels, or 30 VoIP/RTP Channels.

Hybrid mode: 72 analogue channels PLUS 30 simultaneous VoIP/RTP recording channels, in any combination.

Analogue Recording Trigger
Off-hook − 6 voltage levels: 30V, 25V, 20V, 15V, 10V and 5V.
VOX − 6 signal levels: -20dB, -24dB, -28dB, -32dB, -36dB and -40dB.

VoIP Recording Trigger
SIP session.
H.245 call.
Unicast RTP Stream.
Multicast RTP Stream.

Recording PIP Tone
1.4KHz. Analogue channels only.
Channel & level selectable.

Operating System
Linux CentOS 6.4.

On-board Storage
AV-GP SATA Hard Drive: 1 Millon Hours MTBF, up to 600,000 hours of call storage.

On-board Archive Device
CD/DVD/Blu-ray Drive (Supports CD-R, DVD+RW and BD-RE media).

External Archive Device
TCP/IP Network Drive: 250,000 records per archive session, up to storage limit.
USB Device (USB key or HDD).

Network Interface
2 x 100Mbps Ethernet.
Time Synchronisation via NTP.
Alarm Interface via SNMP.
SMDR Interface via TCP/IP.

Audio Interface
Built in speaker.
Line-out jack − 3.5mm.
Headphone jack − 3.5mm.

Construction
Zinc passivated steel with powder coated face.

Display
130 x 97mm Colour TFT backlit LCD display.

Dimensions & Weight
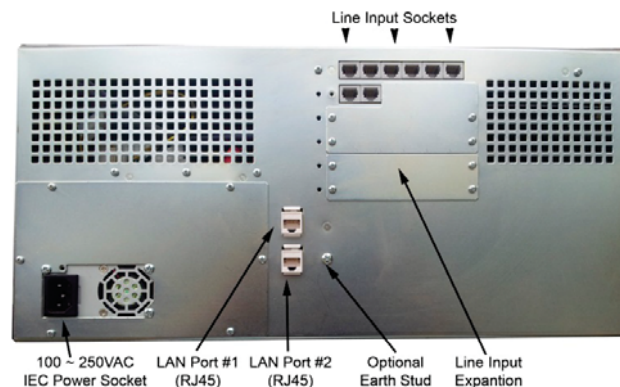220H(5U) x 480W x 230D mm /10Kg.

Power Supply
90 – 260 VAC, 50 – 75Hz.
Maximum Power Consumption: 80W
Optional Hot-Swap Auto Sensing PSU 400W + 400W.

All Specifications Subject To Change Without Notice

Total Recall VR LinX Altus: Control Panel

Total Recall LinX Altus: Rear View