

**Total
VR Recal**

linX Altus



Professional Audio Logging and Call Recording Systems

VoIP : Radio : Analogue : RTP : P25 : 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, 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 Channels;
- ✓ 72 Simultaneous Analogue Channels PLUS an additional 30 VoIP/RTP Channels (in Hybrid Recording Mode).
- ✓ Up to 380,000 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 and Omnitronics. Soon: Zetron, Hytera, Motorola.
- ✓ 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 VR - The **Total** Solution to your Voice Logging Requirements

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.

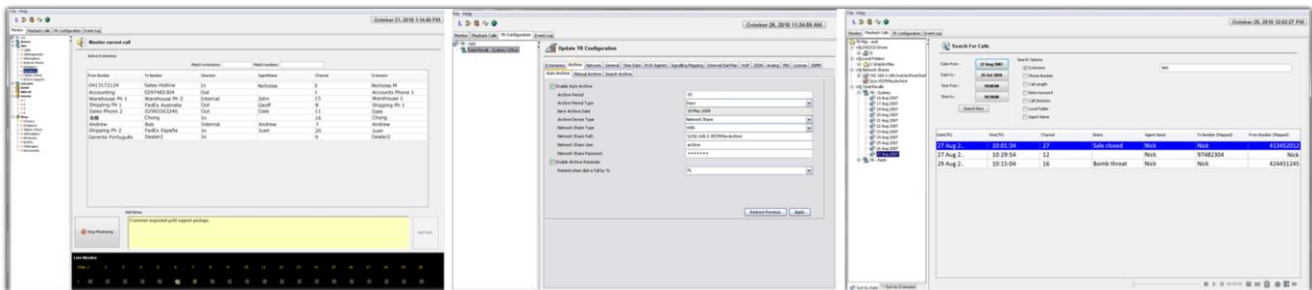
Fast & Convenient Access with Simple GUI and Navigation

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 **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 380,000 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 Client Software Included



All unit configuration, live monitoring, search and replay functions may be performed from the convenience of your Windows PC, via a TCP/IP network. Copy calls from your Total Recall system or archive discs to your computer, or email calls in MP3, WAV, or secure TRC formats.

Remote Manager may also be used to add notes to calls in real time, which can later be used as a search parameter in conjunction with time, date, channel, extension, call direction, number calling or calling number (where transmitted).

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 or RTP streams, 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 via Remote Manager. 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
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 5.7.

On-board Storage

AV-GP SATA Hard Drive: 1 Million
Hours MTBF, up to 380,000 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 Storage Device (USB key, USB
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.

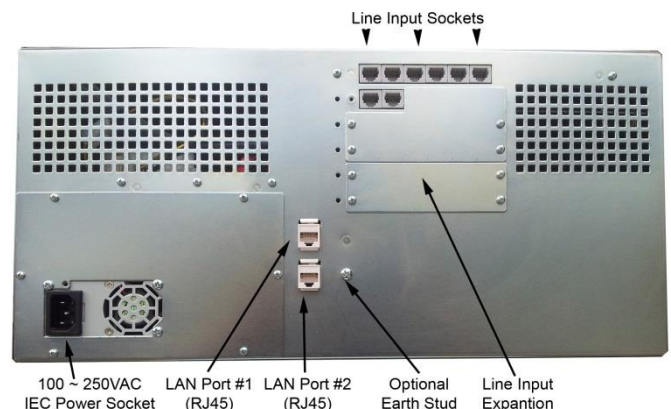
Power Supply

90 – 260 VAC, 50 – 75Hz.
Optional Hot-Swap Auto Sensing
PSU.

**All Specifications Subject To
Change Without Notice**



Total Recall VR LinX Altus: Control Panel



Total Recall LinX Altus: Rear View