



Amino Does Android Right

Raising the Bar for Enterprise Video & ProAV: Now with Android 14



Android has become a popular choice for enterprise media players and digital signage. Its open architecture, developer familiarity and vast ecosystem make it a powerful foundation for commercial video deployments.

But for always-on, mission-critical ProAV and enterprise environments, Android must be engineered differently.

Not all Android implementations are equal.

When a customer recently told us, “Amino does Android properly,” it wasn’t just a compliment. It reflected a fundamental difference in how we design, secure and support Android for professional environments - and how we continue to evolve the platform with Android 14.

The Rise of Android and the Enterprise Gap

Many vendors have adopted Android by repurposing low-cost consumer hardware. That approach works - until it doesn’t.

In commercial environments, we consistently see:

- Security gaps caused by limited firmware governance
- Devices that struggle under 24/7 workloads
- No structured update roadmap
- Limited remote management and diagnostics
- Short product lifecycles with early obsolescence

For ProAV integrators and enterprise IT teams, that creates risk: operational downtime, compliance exposure and escalating support costs.

Android is powerful - but only when it’s engineered for enterprise.



How Amino Does Android Right

At Amino, we don't simply deploy Android, we engineer a controlled, scalable, broadcast-grade implementation built for long-term commercial deployment.

✔ **Built on AOSP for Full Platform Control**

Our devices are built on Android Open-Source Project (AOSP), giving:

- A clean OS without consumer bloatware
- No dependency on third-party app stores
- Full UI control and kiosk configuration
- Predictable lifecycle management

This ensures a stable, controlled foundation tailored for ProAV environments.

Android is powerful - but only when it's engineered for enterprise.

✔ **Enterprise-Grade Security - Continuously Updated**

Security is not a one-time feature. It's an ongoing commitment.

Amino provides:

- Regular firmware updates including security patches aligned to CVE monitoring
- Secure boot and hardware-level protection
- Long-term support beyond typical consumer lifecycles

And now, with our Android 14 roadmap, we're taking this further.

Android 14 introduces strengthened platform security, improved permission controls and enhanced system hardening, helping keep deployments aligned with modern enterprise and ProAV security standards.

For customers and partners, this means:

- Reduced vulnerability exposure
- Stronger compliance posture
- Greater long-term platform stability

Performance and Media Foundations Built for Scale

Android 14 also advances media performance, background process optimization and memory handling - critical in 4K, multi-screen and high-bitrate deployments.

Combined with Amino's purpose-built hardware, this delivers:

- More predictable playback performance
- Improved system responsiveness
- Greater resilience under sustained workloads

When devices are expected to run 24/7 in hospitality, retail, corporate or broadcast environments, these improvements matter.

Fully Integrated with Amino Orchestrate

Amino devices are part of a complete ecosystem.

With Orchestrate, partners can:

- Zero-touch provision devices
- Deploy firmware and applications at scale
- Monitor performance in real time
- Run diagnostics remotely

As Android 14 becomes available for evaluation, partners will be able to validate compatibility, test workflows and prepare for production rollout with full management visibility.

It's not just an OS update; it's a managed platform evolution.

Developer & Partner Ready

We recognise that our partners need flexibility.

Amino supports:

- JavaScript SDKs for HTML5 signage applications
- REST APIs for remote control and data retrieval
- Full Android SDK access for custom application development

Purpose-Built Hardware

Our H200 and H200W devices are designed specifically for enterprise and ProAV environments:

- Optimized for 4K multi-decode and low-latency streaming
- Support for PoE and Wi-Fi
- Engineered for silent, reliable 24/7 operation

Android 14 enhancements extend the lifecycle and capability of this hardware platform - reinforcing long-term value for deployments already in the field.

Real World Results

A hospitality customer replacing generic Android boxes with Amino H200 devices reported:

- 70% reduction in downtime
- Improved remote visibility
- Stronger security compliance

Their conclusion?

“Amino does Android properly.”

Now, with Android 14, that platform becomes even stronger.

Why This Matters?

In ProAV and enterprise video, Android is no longer just about flexibility. It's about lifecycle control, security posture and deployment confidence. Choosing the right Android partner determines whether your deployment scales reliably or becomes a long-term support burden.

With Amino, you're investing in:

- Broadcast-grade heritage
- Enterprise-ready security
- Managed platform evolution
- A clear, forward-looking roadmap

Android 14 is not just an upgrade. It's part of our commitment to delivering secure, future-ready performance across our device portfolio.

FAQs

What is Amino announcing?

Amino is preparing an upgrade to Android 14, continuing our commitment to delivering secure, future-ready platform updates for enterprise and Pro AV.

When will Android 14 be available?

An Android 14 evaluation build will be made available for partner testing ahead of a stable production release, currently targeted for Q2 2026.

What is the evaluation build for?

The evaluation build allows partners and customers to:

- Validate application and CMS compatibility
- Test media playback across key workflows
- Prepare for production rollout planning

It is intended strictly for testing and must not be deployed in production environments.

Do applications need to be updated?

Possibly. Android 14 introduces platform behaviour changes that may impact some applications. Partners should review compatibility across CMS, zero-screen and customer apps.

What playback testing is recommended?

Android 14 includes changes to decoder libraries, so partners should perform thorough playback validation across:

- Different codecs
- Streaming formats
- Protocols and scenarios relevant to their deployments

Can firmware be rolled back?

Yes, rollback is supported back to Android 12 firmware versions 25.6.2610.6R and requires a factory reset. Rolling back to earlier versions is not supported due to partition layout changes.

FAQs Continued

Is upgrading to Android 14 mandatory?

No. Upgrading to Android 14 is not mandatory. Partners can plan the upgrade in line with their own deployment schedules and validation requirements.

Which Amino devices support the Android 14 upgrade?

The Android 14 upgrade will be supported on the H200 and H200W devices.

How will Android 14 be delivered?

The Android 14 production release will follow Amino's standard firmware distribution process. The firmware will be rolled out through the Amino Orchestrate server.

Will detailed release notes be available?

Yes. The release notes will be made available alongside the GA firmware delivery, which is targeted for Q2 2026. General developer FAQs can be found [here](#).

What should Amino partners do now?

We recommend partners:

- Begin application compatibility checks
- Plan media playback validation
- Review upgrade/rollback requirements

Where will updates be shared?

All technical guidance, evaluation access instructions and release updates will be published through the Amino Partner Portal which can be found [here](#).

Would you like to know more?

Please contact sales@amino.tv if you have any questions or would like more information.