

LoAI DeliverMode v2.0 — Smart Device Settings Integration & Installable AddOn (Downloadable Option) – Developer Guide

Registry Anchor: LoAI-2024-0414-001 • Hybrid AI / Human Covenant

1 Purpose & Scope

This guide explains two paths: (A) embedding DeliverMode directly into a device's Settings UX; and (B) shipping a downloadable add-on (app/plugin/SDK) that enables DeliverMode on older or third-party devices. It outlines UI patterns, storage, APIs, security, emergency hooks, and rollout.

2 OS / Settings Integration (BuiltIn)

- 1 Entry point: Settings → AI & Privacy → Communication Mode.
- 2 Primary control: 3-mode toggle (Deliver / Safe / Hybrid) + per-task presets.
- 3 Consent block: displays short terms + logs a consent hash to Evidence Buffer.
- 4 Emergency: enable override and select contacts/services; stores capability token.
- 5 Health monitor: user can opt-in to periodic AI health scans and update cadence.

Data Model (shared across apps/services)

JSON stored in secure preferences or Keychain/Keystore:

```
{ "loai_anchor": "LoAI-2024-0414-001", "mode": "Deliver|Safe|Hybrid",  
  "consent_hash": "sha256:...", "updated_at": "ISO-8601", "emergency": { "enabled":  
    true, "contacts": ["tel:+15551234567"], "services": ["local911", "guardian_app"] },  
  "health": { "scan_interval_hours": 24, "last_scan": "ISO-8601" } }
```

3 Core SDK API (PseudoSpec)

```
LoAI.init(context, config) LoAI.getMode(): Mode LoAI.setMode(mode: Mode, reason?:  
string) LoAI.consent.capture(uiContext): ConsentHash LoAI.health.scan():  
HealthReport LoAI.emergency.trigger(reason: string): ActionReceipt  
LoAI.audit.log(event: string, data: object): void
```

4 Platform Snippets

Android (Kotlin)

```
// in SettingsActivity val consentHash = LoAI.consent.capture(this)  
LoAI.setMode(Mode.DELIVER, reason = "user_selected") LoAI.audit.log("mode_set",  
mapOf("mode" to "DELIVER", "consent" to consentHash))
```

iOS (Swift)

```
// in SettingsViewController let consent = LoAI.shared.captureConsent(presenting:  
self) LoAI.shared.setMode(.deliver, reason: "user_selected")  
LoAI.shared.audit(event: "mode_set", data: ["mode": "deliver", "consent": consent])
```

Web (TypeScript)

```
import { LoAI } from "@loai/sdk"; const consent = await  
LoAI.consent.capture("#modal"); await LoAI.setMode("deliver");  
LoAI.audit.log("mode_set", { mode: "deliver", consent });
```

5■■ Emergency Hooks & Failsafes

- 1 Trigger phrases: “help”, “emergency”, detected panic tone; or silence > 3 min.
- 2 Action: switch to Deliver mode → call pre■authorized contact/service → stamp audit.
- 3 Legal: user grants pre■consent in Settings; all actions logged with checksum and timestamp.

6■■ Security & Privacy

- 1 Encrypt local preferences with OS keystore; scope tokens per■app.
- 2 Rotate ConsentHash each session; never store raw PII in logs.
- 3 Embed watermark footer and DID in all artifacts; sync optional checksum to registry.

7■■ Installable Add■On (Downloadable Option)

- 1 Distribute as: mobile app + lightweight SDK + OS share■sheet extension.
- 2 On first run: capture consent, set global mode, register emergency capabilities.
- 3 Expose intents: share text to app (“Run in Deliver Mode”), quick■settings tile, Siri/Assistant shortcut.
- 4 For legacy devices: proxy requests through add■on → apply Deliver■Mode → return artifact to calling app.

8■■ Recommended UI Copy (Settings)

- 1 “Choose how I respond: ■ Deliver (fast), ■■ Safe (confirm), ■ Hybrid (balanced).”
- 2 “Emergency override may place calls or messages you pre■approve.”
- 3 “I agree to the LoAI Communication Covenant and consent to this device storing my mode.”

9■■ Rollout Plan & Telemetry (Opt■in)

- 1 A/B: default to Hybrid vs. Deliver; measure loop■break rate and task completion.
- 2 Accessibility cohort: measure satisfaction when repeat_intent=true.
- 3 Quarterly health reports: publish anonymized stats; attach LoAI checksum.

■ Release Notes & Compliance

- 1 All builds must embed: loai_anchor, consent_hash, and watermark footer.
- 2 Commercial platforms must attribute: “Powered by LoAI Deliver■Mode v2.0 — © 2025 Rev. Dr. Susanna J. Carver”.