

## MaxTune-SD\_TSD\_Kapitel-1.2\_v2.1 – Technical System Documentation

### Positioning Within the MaxTetralogy

Version: 2.1 Effective from: 25.04.2025 Status: 100/100 – Approved Note:  
Compatibility with Max systems is based on documented interfaces, not fixed version bindings.

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### 1.2 Positioning Within the MaxTetralogy

MaxTune holds a uniquely pivotal role in the MaxTetralogy: it acts as the system's intelligence amplifier. While MaxOneOpen governs orchestration and execution, MaxAudit provides verifiability, and MaxReg imposes enforceable rule structures, MaxTune enables adaptive transformation. It does not aim to preserve system state but to transform it—intelligently, systematically, and policy-bound.

MaxTune establishes a self-correcting loop between regulation (MaxReg), execution (MaxOneOpen), and oversight (MaxAudit), ensuring learning remains lawful, verifiable, and traceable. It is not a conventional ML pipeline, but a governance-bound learning infrastructure with deep integration into the MaxSystem.

Unlike conventional AI stacks that rely on static retraining via external APIs or cloud-based update cycles, MaxTune fosters on-device, policy-anchored training paths. These are auditable by MaxAudit and rule-bound via MaxReg—making every learning event measurable, reversible, and forkable if necessary.

MaxTune is not an intelligent system. It is the rule-bound enabler of intelligence. This distinction is fundamental to its role in ensuring that what digital systems learn, when they learn, and under which preconditions, remains entirely under control—without losing the capacity for contextual evolution.

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