DOCUMENT
LADV release notes
LADV-RN

PROJECT
Wartens LADV virtual PLCs
Rev 1.0

LADV release notes

Document	LADV release notes
Code	LADV-RN
Revision	1.0, 1 November 2026
Firmware	V1.0.0
Issued by	Wartens, makers of LADX

V1.0.0, 1 November 2026

New

- IEC 61131-3 Structured Text on every LADV CPU: elementary and derived types, functions, function blocks, the standard library, tasks with priorities and events, RETAIN and warm restart, direct addresses.
- A compiler that checks a program the way an engineering tool does, with the line and a suggestion for each error.
- Runtime faults with codes and lines: watchdog, division by zero, index out of range, MUX selector, BCD, call depth.
- Force and modify for both languages, with the MAINT lamp and log entries.
- A watch table for every Structured Text variable.
- Programs shared as links, which open in the lab editor.
- Chat answers in Structured Text are checked by the LADV compiler and open in the lab with Run on LADV.

Limits

- Structured Text only: FBD and SFC are not implemented.
- No object-oriented extensions, references or namespaces.
- LADV400 is planned and cannot run programs yet.