VT / generation 26 — User manual

Library: `src/lib2/vt/26/`
Edition: 2026-11-18, source/document review (documentation only)
Qualification: Source-exact accepted Chapter 02 donor (bounded PB-2000C emulator evidence). New consumer, physical, AI-1000 and receiver capture remain unqualified.

What this member does

Stateful 24x80 viewer on 4x32 LCD with inverse mode, read-only/writable views and transport-neutral export.

Public interfaces

Entry point or group	Inputs, outputs and behavior
`VT_BIND_RAM / VT_BIND_RO / VT_BIND_ROM / VT_BIND_RSEL`	`$10/$11` points to a 1,920-byte document; kind 0 writable RAM, 2 read-only RAM, 1 ROM, 3 selectable-ROM.
`VT_VIEW / VT_OPEN / VT_OPEN_AT`	Open/reset or resume viewport; OPEN_AT accepts `$8` 1..24 or returns `$0=10`.
`VT_GET_CHAR / VT_CLEAR / VT_WRITE`	Read a bound document byte; clear/write only eligible writable RAM kind; method-specific `$0` status.
`VT_EXPORT`	24 x (80 text bytes + CRLF) = 1,968 bytes to caller-provided sink; no UART ownership.
`VT_TX_ERROR / VT_CONFIG / VT_INIT`	Diagnostics / stub configuration behavior; API.md lists exact return status.
`VT26_PUTC / VT26_LCD_PUTZ / VT26_LCD_ROM32 / VT26_GFX_PUTC`	Renderer helpers using LCD and inverse glyph path.

How to integrate

Include all three exact versioned files. Bind document with `$10/$11` then `CAL VT_BIND_RO` (or selected kind), `CAL VT_VIEW`. Handle semantic `$0` events: 0 Q, 1 MENU, 2 BRK, 3 EXE, 4 `:c`, 8 SEND, 9 COMM; supply transport for SEND and optionally resume with VT_OPEN.

Composition sketch (not an independently assembled client):

```
        LDW     $10,MY_DOC_BASE
        CAL     VT_BIND_RO
        CAL     VT_VIEW          ; $0 is semantic event
```

Environment, dependencies and memory

Caller allocates VT state (`VT_SELECTED`, `_VT_DOC_*`, viewport and export scratch), 1,920-byte canvas, keyboard/LCD callbacks and `VT_SEND_CAP`, `VT_TX_DETAIL`, `VT_OUTBYTE` (`$16` byte, `$0` status), `VT_HOST_RAM`. No general register preservation promised. Non-reentrant.

Limits and evidence

Existing VT26 R003 guide describes user navigation, not arbitrary application event behavior. `:t` is a request; physical UART receipt is external. DejaVu-derived inverse glyph attribution must be preserved.

This documentation does not introduce a new build or runtime PASS. Source equivalence, native assembler parity, emulator execution and physical-machine evidence remain distinct.

Actual source and further reference

- This exact member folder in Google Drive
- Source modules: `vt26.inc`, `vt26_lcd.inc`, `export.inc`.
- Further contracts/source notes: API.md, API.json, VT_Virtual_Terminal_User_Guide_R003.md, README.md. These may include dated donor paths or older acceptance statements.
- For a new consumer, pin exact source files and hashes, verify full include closure, inspect register/bank/resource conflicts and test the resulting application on each claimed target.

Praeteritum ad futurum servamus.