

MD1 Virtual Reader

Builds MD1 firmware from BOOT / SOFT / CALIBRATION · BinRazor

What it does

MD1 Virtual Reader reconstructs a full MD1 firmware image without physically reading the ECU. From an identification file it locates the [BOOT](#), [SOFT](#) and [CALIBRATION](#) parts in the online database, then assembles them and saves the result as bFlash (.bdc) and/or Magpro (.bin).

First launch

The first time you open the tool it downloads its database. When it reports the database is missing or a newer version is available, accept and wait for the download to finish before working. Later launches only check for updates.

The fields

BOOT	Remaining digits of the boot part number (the fixed prefix is shown).
SOFT	Remaining digits of the software part number.
CALIBRATION	Remaining digits of the calibration part number.

What to press

1. Click [Open IDENTIFICATION](#) and choose the ECU ID file — its parsed details appear on the left.
2. Enter the remaining digits for [BOOT](#), [SOFT](#) and [CALIBRATION](#).
3. Select the matching file for each part from the lists.
4. Tick the output format — [bFlash \(.bdc\)](#) and/or [Magpro \(.bin\)](#) ([bFlash](#) is on by default).
5. Click [Download](#): the tool downloads, decrypts and assembles the firmware, then asks where to save it.

Good to know. You can build both formats in one run. The Download button reflects progress — Downloading, Extracting, Decrypting, then Building — so a busy button is normal, not a freeze.

Verify before flashing. The tool assembles a file; it does not guarantee a running unit. Always check the built firmware before writing it to a control unit.

For diagnostics and legitimate servicing only. Keep a backup and verify the result before use. Full responsibility for use rests with the user.