



# F100 Firmware PC Configuration Utility Reference

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The table below provides information to assist field engineers select the correct PC Configuration Utilities for Australian **F100** Panels.

F100 Panel	µProcessor	PCB Hardware	Firmware	Configuration Utility
F100A Boolean	AVR '256	v3.11	v5.nn.nn	v5.06
F100A Boolean	AVR '128	v2.nn or v3.01 – 3.11	v3.nn to v4.56.nn	v3.24.n
F100A Non-Boolean	AVR '128	v2.nn	v2.00.12	v2.14
F100TMS	TMS	v1.nn	v1.62.09	v2.1

### Notes:

- 1) v5.06 Configuration Utility is compatible with AVR 256 firmware v5.nn.nn only.
- 2) v3.24.nn re-integrates the Configuration Utility programme and supercedes both v3.16 and v3.14 for all Boolean firmware from v3.nn to v4.54.nn
- 3) v3.24.nn detects the firmware used on the **F100** Panel and can be adapted to allow access to features supported by the Panel firmware.
- 4) v3.24.nn Configuration Utility is not compatible with either v2.nn Non-Boolean AVR panels, which use v2.14 Configuration Utility or v1.nn TMS panels, which use v2.1 Configuration Utility.
- 5) The AVR micro-processor (µP) is field programmable using either:
  - a. the traditional AVR Programmer or PonyProg 2000 software and custom Programming Cable using the PC's RS232 port.
  - b. the FISP4D Programmer using the PC's USB port.
- 6) The TMS micro-processor (µP) is NOT field programmable, but must be replaced with a new processor IC to upgrade the F100 firmware.

### Important - firmware changes:

Ensure a fully up to date version of the panel configuration is stored on a laptop computer, and preferably backup up separately as well. Upgrade the firmware using the relevant software tool. When completed, using the now 'defaulted' engineers password, default the configuration to erase all previous data. When completed, use the latest version of Utility to load the original configuration back into the panel. Failure to default configuration can result in unpredictable behaviour of the panel.

The latest Configuration Utilities and Panel Manuals are available on the Pertronic website:

<http://www.pertronic.com.au>

Phone the nearest Pertronic office to obtain the necessary logon and password to access the files.

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