Environment Information Technology Pty Ltd
ABN 23 116 474 634

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Products affected	**IPC Series 2 (ATMEL based)**
Serial numbers	All
Action required	None – Advisory only
Reason for notice	Provides information on **firmware and compatibility** issues with IPC devices.
Notes	These units were released with firmware capable of RS485 and SDI-12 protocols. They are field configurable, refer to PAN IPC 06002.

Resolution

These units are identifiable by the two small blue sockets on the right side of the front panel.

They are capable of communications with Datatenna, 100mW and 1W spread spectrum systems.

The units are field programmable using a serial cable and the latest firmware provided on the EIT website.

The latest firmware version is Rev 4.46.

If any changes are made to the use of an IPC then it should be upgraded to the latest version. Any receiver or repeater in an installation where there are changes should be upgraded to the latest firmware.

The same firmware handles both RS485 and SDI-12 sensors, but there is a need to change some jumpers inside the IPC housing to force the

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changes. Refer to PAN IPC-06002 or the IPC user manual.

Firmware revisions:

Version	Notes
4.38	Additions for Analite 390 series turbidity sensor
4.39	Add Vaisala weather station to SDI-12 functions
4.40	Add MP Troll 9000 functions and introduced the concept of user defined decimal places for new SDI-12 sensors
4.41	Added functions to control the power output of the 9Xtend radio modems
4.46 (Latest)	Enables a test transmission to be performed

Compatibility Issues:

There are significant problems with using various radios prior to Rev 4.37. We suggest you do not use revision levels less than this in any application unless you are happy there are no problems there.

The proper handling of SDI-12 salinity sensors has not been incorporated in the firmware yet. Please either use RS485 types or talk to EIT regarding your requirements.