



Technical Note TN-613

1. TOP-xx11x Elan Conventional
New V1.09 Firmware
2. TOP-xx21x Excel Conventional
New V1.09 Firmware

1. TOP Elan and Excel Conventional V1.09 Firmware

Applicability Software changes to Orca Elan and Excel Conventional firmware have been made, resulting in the release of a new version of enhanced radio firmware, V1.09. This firmware will be used in all future production of Tait Orca Elan and Excel Conventional Radios.

Serial Number All Tait Orca Elan production from serial number **14054395**, and all Orca Excel production from serial number **14054443** will be fitted with version 1.09 firmware.

1.1 New features available V1.09

Feature	Description	Impact on Customer
Auto Quiet Timer count down option	The auto quiet timer can now be programmed to continue or reset once valid channel activity has ceased.	New feature
Monitor Activation on call receive option	The monitor will open upon receiving a valid selcall	Minor Added for Alcatel
Selcall Side tone option	The radio can now be programmed to have Selcall side tones.	New feature
Selcall Emergency activation indicator	Confidence tones added to alert the user that an emergency call has been initiated.	New feature
Selcall Emergency double key press activation, or extra long key press	Emergency calls can now be initiated by either programming the radio to use a double key press, or extra long key press. This is intended to reduce false emergency calls	New feature
Selcall emergency automatic radio reset option	If an emergency call has been initiated, the radio can be programmed to cycle Rx/Tx for 30 cycles before reverting to normal operation.	New feature

1.2 Compatibility of V1.09

Item	Description
Programming S/W	This Radio firmware requires TOP Conventional Programming Software V1.12 or greater
Hardware	Orca masked DSP : IPN 002-18932-10 Orca OTP DSP : IPN 002-18937-13 Orca PCB sub-VHF Main Radio Board variant 06 : IPN 220-01616-06 Orca PCB VHF Main Radio Board variant 03 : IPN 220-01401-03 Orca PCB VHF Main Radio Board variant 04 : IPN 220-01401-04 Orca PCB VHF Main Radio Board new variant : IPN 220-01588-03 Orca PCB sub-UHF Main Radio Board variant 01: IPN 220-01503-01 Orca PCB sub-UHF Main Radio Board variant 04: IPN 220-01503-04 Orca PCB UHF Main Radio Board variant 06 : IPN 220-01392-06 Orca PCB UHF Main Radio Board variant 07 : IPN 220-01392-07 Orca PCB UHF Main Radio Board variant 08 : IPN 220-01392-08 Orca PCB UHF Main Radio Board variant 11 : IPN 220-01392-11 Orca PCB UHF Main Radio Board variant 03: IPN 220-01603-03 Orca PCB 900 MHz Main Radio Board variant 02: IPN 220-01610-02 Orca PCB 900 MHz Main Radio Board variant 03: IPN 220-01610-03

1.3 Known issues remaining with version 1.09

Issue	Description	Impact on Customer
There are no known issues with version 1.09		

Note to CSO's Please ensure that all external customers and internal logistical personal are aware of the change in required programming software. This Firmware is available from www.taitworld.com

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