

TOP-xx21x Excel Conventional New V1.07 Firmware TOP Conventional New V1.10 Programming Software

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1. TOP-xx21x Excel Conventional V1.07 Firmware

Applicability Software changes to TOP-xx21x Excel Conventional have been made, resulting in the release of a new version of enhanced radio firmware, V1.07. This software will be used in all future productions of TOP Excel Conventional Radios.

1.1 New features available V1.07

Feature	Description	Impact on Customer
Selcall Updates	I	0000000
Faster Ringing	Solves the 2 second wait when Selcall has not	For Alcatel
	received all sub-sequences	Major
Ring only after auto-	Selcall does not ring until auto-acknowledge is	Minor
acknowledge	sent.	
Selcall Decode after	The radio is now able to decode further Selcalls	Significant
receipt of SDM	after a SDM has been received.	improvement
Fixed Tx Burst of	Occasionally, when answering Selcall with the	Significant
Noise	PTT, the radio did transmit a short burst of	improvement for
	noise. This is now fixed.	users.
CCDI	Unit now sends auto-acknowledge message to	Significant for
Auto-acknowledge	Computer Controlled Data Interface	CCDI users
Other Updates		
Increase "low battery"	Increase in "low battery" warning volume level	Less chance to
warning volume		miss "low
-		battery" alarm.
Ready for :	This firmware is ready for top microphone.	Future feature
Microphone	Allows user to switch between bottom and top	1Q2000
Switching	microphone.	
	Radio Hardware Dependant. Wait for	
	separate product announcement.	
Ready for :	This firmware is ready for automatic	Future Feature
Receive Signal	adjustment of the receiver frequency.	1Q2000
Tracking	Radio Hardware Dependant. Wait for	
	separate product announcement.	

1.2 Compatibility of V1.07

Item	Description		
Programming S/W	This Radio firmware requires TOP Conventional Programming Software V1.10		
User Manuals	The new features are described in the Elan / Excel user manual :		
	IPN 409-00410-00		
Hardware	Orca masked DSP :	IPN 002-18932-10	
	Orca OTP DSP :	IPN 002-18937-13	
	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	

1.3 Known issues remaining with V1.07

Issue	Description	Impact on Customer
Battery Capacity	If the radio powers down due to a flat battery	Minor
Indicator	during high powered transmission, when the	
	radio is next powered up the battery indicator	
	may still display two bars of charge.	
SDM Error 24	Rx over-run system error occurs occasionally	Minor. Radio
	when sending SDM's from a fast PC.	will auto re-set.
Occasional Display	Occasionally the display will "flicker" when	Does not effect
Flicker	transmitting or when entering data.	the function of
		the radio.

2. TOP Conventional New V1.10 Programming Software

Applicability Software changes to TOP Conventional Programming Software have been made, resulting in the release of a new version of programming software, v1.10. This software is required to program TOP Excel radios with radio firmware V1.07. It is optional for all other conventional TOP radios.

2.1 New features available V1.10

Feature	Description	Impact on
		Customer
Supports TOP Excel	This programming software is required for the	Essential
V1.07 Radio	programming of TOP-xx21x Excel Conventional.	
Firmware		
Display Contrast	Allows the user to adjust the contrast of the	Better display
Adjustment	display – via the user menu – for Eclipse radios	
	only.	
User Defined tone sets	Standard user defined tone sets will now work	NZ Police
fixed.	correctly.	requirement
Entry of scangroups /	This version allows the entry of scangroups in	TEA & TEU
alpha	the "alpha" mode (as per manual & help text).	requirement

2.2 Compatibility of V1.10

Item	Description
User Manuals	The new features are described in the manual : IPN 439-51100-01
Conventional Radio	Versions : 2.00, 2.01, 2.02, 2.03, 2.04
Firmware Database	(TOP- $xx21x$ Excel Conventional V1.07 = database version 2.04)
	V1.10 is backwards compatible.

2.3 Known issues remaining with V1.10

Issue	Description	Impact on
		Customer
Selcall tones between	QUID121- these tones are not allowed under	Very limited
1500 and 1700	"user defined selcall selection"	group of users.
Programming Timeout	QUID210 – Occasional asynchronous timeout	Irritation for
errors	error due to hitting ESC key to leave a window.	radio
	Use "Done" button to quit read/write radio	programmers.
	screen.	
File saving	SCRF4373 – files are occasionally not saved to	Minor.
	the correct directory with "SAVE"	Plan to fix in
		next version.

- **Note to CSO's** This information is primarily of a technical nature. Use this information to fix reported problems. Distribute the firmware and the programming software as required only.
- Issuing authority Andreas Becker MRD Product Sales Manager — Tait Orca Portables email: andreas.becker@tait.co.nz DDI: +64 3 358 0341