

Technical Note TN-1887-SR

TP8100 Programming Utilities v2.15 and v2.16

15 March 2013

TP8100 Programming Utilities v2.15 and v2.16 have been released to replace v2.13 and v2.14 respectively (refer to TN-1843b-SR for release information for these versions).

They address an issue found in v2.13 and v2.14 when they were installed alongside TCI custom build of Programming Utilities and/or older builds of TP8100 Programming Utilities.

1. Compatibility

The new FCC narrow banding regulations prohibit the use of medium or wideband channels between 150-174MHz (VHF) and 421-512MHz (UHF) in the USA in any radio product entering the USA after January 1, 2013. Refer to "TN-1842c - FCC Narrow banding Overview" for further details.

To comply with this regulation the following firmware versions have been applied to all new TP8100 products shipped from December 2012:

- Conventional **v1.11** for TP8110, TP8115 and TP8120
- MPT1327 Trunked **v2.12** for TP8135 and TP8140

These two Firmware versions are supported only by TP8100 Programming Utilities **v2.13** and **v2.14** and greater.

Releases **v2.15** and **v2.16** replace v2.13 and v2.14 respectively.

2. TP8100 Programming Applications

Programming Application v2.15

TP8100 Programming Application v2.15 allows:

- only narrowband channels on B1, H5 and H6 bands in TP8100s with Firmware v1.11 or v2.12 (or later),
- medium and wideband channels to be programmed in all other bands,
- medium or wideband channels to be programmed to any frequency in existing TP8100 terminals with older firmware.

This version is available for download with login access at support.taitworld.com.

Programming Application v2.16

TP8100 Programming Application v2.16 allows narrow, medium or wideband on any frequency as per earlier programming applications.

NOTE: This version is only available to customers with login access who are located **outside of the USA**. It can also be downloaded at support.taitworld.com.

3. Problem resolved since v2.13/v2.14

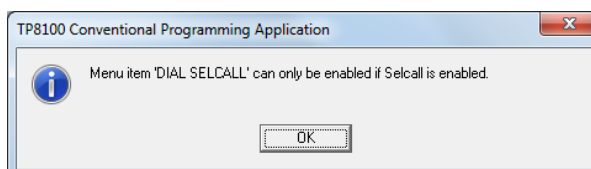
Release v2.15 and v2.16 address a Dynamic Library Link [.dll] issue which occurred if a TCI Custom programming utility software was also installed side-by-side with either v2.13 or v2.14.

4. Known Problems Or Limitations

There are no plans for further development on this platform. As of this release the following problems are known:

Conventional

- When a new datafile is created, 'Dial Selcall' is enabled in the 'User Defined Menu' tree even if no Selcall network is created.
- When the TP8100 is programmed the following pop-up may occur:



Clicking OK will disable the tickbox and continue programming the TP8100.

- When the 'Selcall and Status > Rx Decode Setup > Alert/Ring Pattern' is set to '11111111' the duration of the ring is limited to a maximum of 8 seconds, regardless of the value entered into 'Internal Alert Duration'. No other patterns cause this. Focus 37815.
- When the transmit channel of a Background Scan group is set to "Scanned" and the radio had last received on that particular group member and then resumed scanning, it does not transmit on the "Scanned" channel as expected with PTT, but on the channel that was selected when group was activated.

MPT1327 Trunked

- Following a stun command, the TP8100 cannot make or receive calls as expected but still receives group calls.
- TP8100 can register on channels within the 'Non Applicable channels' following a comprehensive hunt.
- If the TP8100 is in menu mode, initiating a SOS emergency call will fail.
- If Conventional Mode is enabled by a function key, the radio does not exit conventional mode with first 'x' button keypress.

Calibration Application

During testing it was found that if using the 'Configure Radio' option located under 'Tools > Configure Radio' within the Calibration application, the second writing of an ECC code fails and the calibration application needs to be restarted. This is not an issue if this same option is accessed via the Programming Application, so it is recommended 'Configure Radio' is used only via the Programming Application.

5. Publication Information

Related Documentation

TN-1842-SR – FCC Narrowbanding Overview
TN-1843-SR – Previous TP8100 Software Release Note
TN-1298 – Upgrade process in the TP8100

Compliance Issues

None.

Compatibility Issues

None.

CSO Instruction

Inform all service staff and dealers of the released information. Where necessary replace v2.13 and v2.14 with v2.15 or v2.16.

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Distribution Level

Associate.

Document History

Issue	Date	Description	Author
–	14 March 2013	First release	M Brown