PC Tools software Installation issues:

Installing the PC Tools requires “Administrator” privileges on the Local PC / Laptop. Please check with your IT/Network support personnel in case if you have trouble Extracting or Installing the PC Tools software.

PC Tools software compatibility issues:

Users are advised to use right version of the PC Tools software to perform various operations with the Locators such as Upgrade software, Configure, RFID Data / Templates etc.

The latest version of PC Tools is dated July 10th, 2015 (as seen in the title bar of PC Tools application) and can be downloaded from www.3m.com/dynatel

In particular, if an older version of PC Tools is used to upgrade the locator units that already have newer software and hardware; it might result in downgrading the unit with incompatible software, leading to serious problems including failure of several functions.

The latest version of the Locator software and the PC Tools software has changes listed in the “Release notes” below.

Work around / suggested solution:

Download latest software from the website and check in the release notes section for any issues related to your locator models. If any updates apply to your locator models, upgrade the locators with latest software.

Release Notes

M-Series Locator (7573 / 7420 / 2500 / 2200M / 1420 models)

Date of Release: July 10th, 2015

3M Dynatel PC Locator Tools [Date : July 10th, 2015]
This version supports 7573, 7420, 2500, 2200, 1420 series Locator products.

Version dated July 10th, 2015

2200M-Series : 37;
2500-Series : 19;
7000-Series : 15;
2220-Series : 9;
1420EZ : 4;
Glossary : 11

1. Release CE Power frequency EMS Marker locate, RFID Read
2. Release Power Tag frequency for Luminous Path Locate Mode

Version dated April 24th, 2015

2200M-Series : 36;
2500-Series : 18;
7000-Series : 14;
2220-Series : 9;
1420EZ : 4;
Glossary : 11

1. Reduced noise floor signal strength dB / zdB readings for Path locate mode frequencies for the 2500, 2200M-Series locators.

Version dated December 5th, 2014

2200M-Series : 35;
2500-Series : 17;
7000-Series : 14;
2220-Series : 9;
1420EZ : 4;
Glossary : 11

2. Bug fix for Trace view mode - When locate signal is not detected; default no cable symbol was not shown
3. Bug fix - Write mode for RFID markers would still show even when all the frequencies were disabled

4. Bug fix for 2273MID/IN model - Softkey shows COM when IDF frequency is selected

Version dated Nov 20th, 2014

2200M-Series : 35;
2500-Series : 17;
7000-Series : 13;
2220-Series : 9;
1420EZ : 4;
Glossary : 11

1. Added Water frequency for the 7000-series for Path Locate mode
2. Bug fix for Audio clicking problem in the Path locate mode under noisy conditions
3. Added Path Locate feature for 2500 and 2200 M-series locators (Tel, Gas, Water)

Version dated July 15th, 2014

Updated software for 7573 / 7420 series locators.
Improvements include:

1. Improved responsiveness for the EMS tape and rope marker modes.
2. Improved audio response – solid tone to indicate presence of the markers.
3. Improved user interface – peak, null and track (peak + null) modes for EMS tape and rope locate modes.

Updated software for 7573 / 7420 series locators.
Improvements include:

1. Bug fix for 2200 M-series and 2500 series locators – marker read and program history. The bug was preventing to save function to log read and program RFID marker history in the locator under certain circumstances.

Version dated January 7th, 2014

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2. Updated SAM software for 2220M and 2220M-PL models - compatibility with new Eeprom
3. Updated Model files for JourneyMan (9) and Samba II (20) models for LockData confirmation
4. Updated License Agreement for PC Tools

Version dated May 10th, 2013

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1. Bug fix for EMS passive marker depth measurement in Samba II and JourneyMan models

2. New glossary terms (labels and descriptions) for RFID templates for Samba II, JourneyMan and Luminous models

Version dated March 20th, 2013

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1. Integration and Support of 7573 and 7550 Models with 7420 models
2. Support for EMS Alert mode for all the Luminous models
3. Bug fix for Spanish language display for 25xx models

Version dated December 21st 2012

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1. Fix for W/W Tag frequency Locate mode.

Version dated December 12th 2012

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2. Fixes for RFID X-type marker read functionality. Enhanced read range. Reliable read capability under noisy conditions.
3. GPS functionality key activation requirement removed, so that the customers can use the GPS integration easily.

Version dated October 9th 2012

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4. Support for Luminous Models 7420, 7420E added for upgrade, configure, Create / Edit RFID templates etc.
5. Miscellaneous corrections for some Asian language display / translations.

Version 30.12.10 released on August 24th 2012

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1. Faster X-type RFID Marker Read and Write functionality.
2. Simplified Write mode locator user interface.
3. Bug fix for user template encoding when date and a numbers are used in certain sequence.

Version 29.11.10 released on April 19th 2012

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6. Support for bigger templates for programming RFID markers.
7. Support for the ASIC II RFID markers for the 1420EZ model.

Version 28.10.10 released on April 12th 2012

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1. Marker read & program history: The bug prevented reading RFID markers after reaching certain number of records in the history.
2. Marker depth: The bug prevented to do depth with certain types of passive markers under certain conditions.

Version 27.9.10 released on December 19th 2011

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1. Bug fix for programming RFID markers with extended memory markers.

Version 26.8.10 released on December 19th 2011

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1. ASIC II support for RFID marker read – program – history - templates.
2. AFT not picking up the right frequency before going to Read and ID Depth mode (fixed in version 25).

Version 24.6.10 released on August 9th 2011

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1. Improved Sonde depth.
2. Removed high current transients in marker modes.

Version 23.5.10 released on December 1st 2010

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1. Improved sheath fault reference angle calibration.
2. Fixed translation problems with some Asian language strings.
3. Fixed a problem with date field in editing RFID templates.
3. Improved the accuracy of 512 Hz cable current mA reading.

Version 22.4.10 released on September 15th 2010

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1. Fixed a problem with the user edit entry screen when last written template is selected.
2. Fixed a problem with indicating Left / Right directions in the 200 KHz locate mode in some units.

Version 21.3.10 released on April 15th 2010

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1. Support for RFID Glossary files - different language translations updated.
2. Fixed a problem with the user edit entry screen for the templates.
3. Fixed a problem with updating Finnish language to the Locator.
4. Fixed a problem with Trace template download feature from PC Tools.
5. Fixed a problem with Alert mode for markers in Trace mode.

Version 20.2.9 released on Nov 20th 2009

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1. Support is added for solid audio frequency in Trace view mode when used with 577 Hz and other low frequencies. Even when another audio option is selected in the config, the locator will use the solid tone audio only (This is done in order to

minimize the interference at lower frequencies). The audio option selection for the higher frequencies (1k, 8k, 33k, 200k / 133k) is not effected.
2. Other miscellaneous improvements were done for the Trace view mode in 2500-series receiver models.

Version 20.9.1 released on Sept 30th 2009
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1. Support for 2500-series Receiver models including 2573ID, 2550ID, 2573, 2550 models.
2. Support for "Czech" language.

Version 18.9.1 released on May 20th 2009
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1. Support for new Language for BAA (British Airports Authority)
2. Support for new RFID Glossary terms specific to marking in Airports

GPS Logging and Template support:
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1. Support for 4 Trace templates without Memory limitation on data
2. "ARE YOU SURE PROMPTS" in User edit screen for templates
3. Support for Big number encoding ex.. Telephone number
4. Date edit capability in create / edit templates
5. Log capability for Passive marker in PDA mode

Cable Locate:
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1. New sound schemes added for Directional Peak mode
2. Inductive Peak mode added to reject far field noise (2-person sweep)
3. Improved sensitivity for 200K, 133K
4. Support for Locate with 50 Hz / 60Hz primary power frequency
5. Gain Up / Down processing allows more user control
6. VGA calibration to improve current measurement
7. Improved cable depth accuracy in 1-shot mode
8. Frequency selection and 1-shot depth modes will time out and returns to Locate
9. 512, 560, 333 are available for Auxilliary frequencies. Other frequencies are disabled

RFID Read, Depth:
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1. RFID read function and depth accuracy improvements
2. Support for read and depth functions for new near surface CATV RFID markers

RFID Programming:

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1. Last 10 User Defined Descriptions from Template entry will be remembered
2. "Last Read" option in write mode on locator. New template from last read
3. Repeat Last softkey button is added in the Program mode

PCTools:

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1. Ability to create / edit Trace templates in PC Tools
2. Export to CSV file format is changed to be compatible with Google Earth Plus
3. Remember path to directories for Browse, Save etc
4. Locator software version in the PC Tools is displayed in the main screen
5. COM port selection based on available COM ports in the system