Tuner4TRONIC® CMD

Operating Instructions

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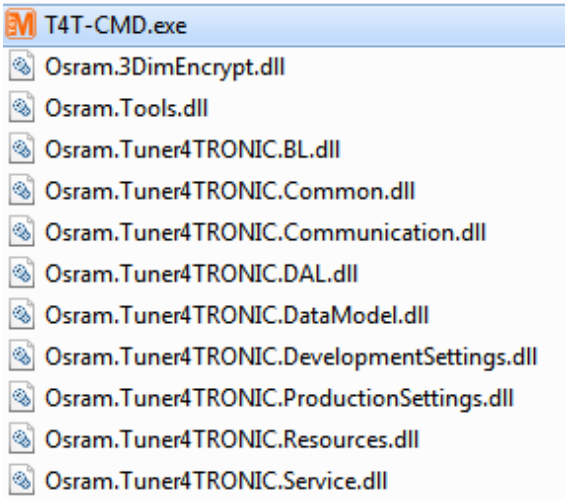
Introduction

The Tuner4TRONIC Command Line Application (T4T-CMD) can be used to program luminaire production files (with extension .osrtup, generated with the Tuner4TRONIC-Development) into OSRAM ECGs by calling a single command from any application that can execute shell commands. The application prints the status of programming into the console window. The T4T-CMD runs under Win7 and Win10. The T4T-CMD is based on the T4T-DLL.

This manual explains the steps how to use the command line tool.

1. Installation

Copy the T4T package (zip file) to any preferred location into your system and extract the files of the T4T-DLL-CMD subdirectory. The following files are needed:



2. Commands

In order to enter a command, open a Windows command prompt and change the directory to the location where the application was saved.

2.1. Program an ECG

In order to program an ECG, run the application by entering the following command:

```
T4T-CMD.exe  T4T  "Production File"
```

with the following meaning:

- T4T-CMD.exe -> the command line application
- T4T -> the command to program [Case Insensitive]
- "Production File" is either the file Name of the production file if in the same path as Command Line application or the "File Name with complete path" if the production file is in a different location than the command line application.

Note: Use always the quotes around the "file name".

Important Note: In case the programming of a default device was not confirmed by “DeviceProgrammedSuccess” (0), it cannot be assumed that the parameters of the ECG still contain the default values. Programming may have been started and partially be done and then terminated by an error. There is no roll-back.

2.2. Program an ECG by selecting a specific PI when multiple PIs are connected

In order to program an ECG by selecting a particular PI, run the application by entering the command below.

```
T4T-CMD.exe  T4T -PI  “PI Type: PI Name“  "Production File"
```

with the following meaning:

- T4T-CMD.exe -> the command line application
- T4T -> the command to program [Case Insensitive]
- -PI -> the command for selecting programming interface. [Case Insensitive]
- "PI Type: PI Name"
  - “PI Type” implies the type of the programming interface. So far defined are "**DALI**", “**NFC**” and "***OSRSER***".
  - “PI Name” implies the name of the programming interface. This depends on the Interface Typ.
    - For Interface Typ"***NFC***", the PI_Name is the ReaderID in hexformat. The ReaderID can be viewed in the Programming Interface Dialog of T4T-D or T4T-P or Service Tools of the NFC reader manufacturer (Feig).
    - For Interface Typ"***DALI***", PI_Name is the name of the DALI Magic, which can be viewed and changed in the Programming Interface Dialog of T4T-D or T4T-P.
    - For Interface Typ"***OSRSER***", the COM Port number is used as PI_Name. The COM Port number can be viewed and changed in the Windows Device Manager.
- "Prodcution File": The production file to be programmed. This is either the file name of the production file if in the same path as Command Line application or the "File Name with complete path" if the production file is in a different location than the command line application.

  Note: Always use quotes around the "PI type : PI name" and "file name".

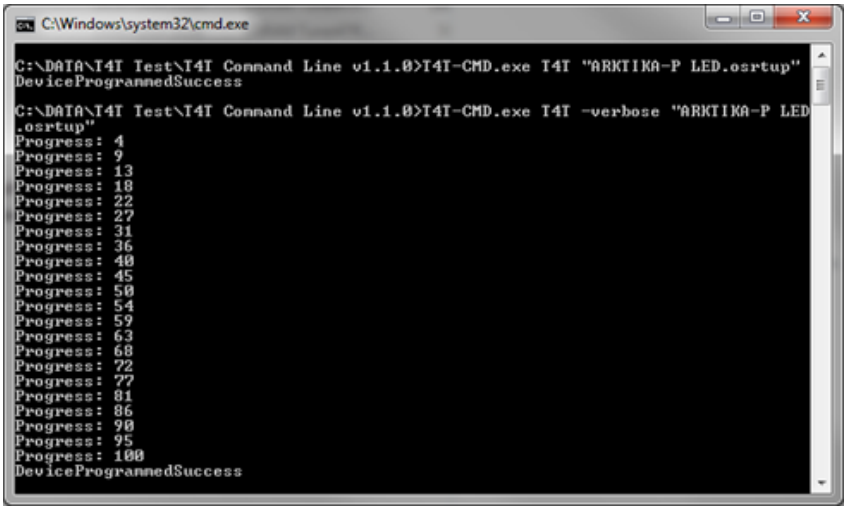
When a wrong PI or an unsupported PI (type or name) is selected, programming will fail and an error message is displayed.

Examples:
T4T-CMD.exe T4T -verbose -PI "DALI:DALIMAGIC" "testfile.osrtup"
T4T-CMD.exe T4T -verbose -PI "NFC:0x12345678" "testfile.osrtup"

Options

The *-verbose* option is used to get information on the progress during the programming. The -verbose option must directly follow the T4T command.

Example:



2.3. Get Command Line and DLL Version

The *-version* option is used in order to get the version of the command line and the DLL on which it is based. Example:



2.4. Get the Error Number

The application will print the programming success or failure reason on the console (stdout). Additionally, an error code is returned to the windows system for automated processing. The Return Code can be visualized / retrieved by entering the following command:

```
echo %ERRORLEVEL%
```

Example:



In Windows Powershell that return code can be queried with the following command:

```
$LASTEXITCODE
```

3. Error Codes

The table below summarizes all the possible errors that can occur when using the T4T-CMD and what might be the root cause behind.

Error Code	**Error Name** *(printed by T4T-CMD on the Console)*	**Description of the Error and Reasons**
0	DeviceProgrammedSuccess	The ECG programming was completed successfully.
-1	GeneralApplicationError	A general application error occurred.
4	ProgrammingValidationFailed	The validation after programming failed.
101	No_Invalid_ParameterPassed	No production file was passed.
200	ParamFileNotExists_Readable	The production file does not exist or is not readable.
201	ParamFileInvalid	The production file is invalid.
202	ParamFileIsEmpty	The production file is empty.
500	NoDeviceConnected	No ECG is connected to the programming interface or ECG is not powered.
501	TooManyDeviceConnected	Too many ECG are connected.
502	WrongDeviceConnected	A wrong ECG type is connected or the ECG type is correct but the production file was prepared for a different ECG version (FW or HW). In case of multiprogramming, one or more ECGs may be missing. Please check the IC code of the device(s).
503	WrongDeviceVersionConnected	Not used by T4T-CMD
700	HWProgrammerNotFound_CommunicationError	No usable Programming Interface was found or a communication error with the PI occurred. If a PI is connected then the reason could be the wrong PI type (e.g. DALI Magic instead of OT Programmer) or the PI is used by another SW.

701	HWProgrammerFWVersionUnsupported	Unsupported firmware version of the programming interface (e.g. DALI Magic FW 2.18)
702	DALI_OP_HWProgrammerOverloaded	The DALI output of Programming Interface is overloaded or short-circuited.
2005	DeviceProtected	The ECG is write-locked by an OEM Code. This error occurs, when no code is contained in the production file or the provided code is not correct.