

Adrienne Electronics Corporation

“PC CLOCK TIMECODE OUTPUT INTRODUCTION”

For AEC-PCIE Product Family Boards with LTC Generator

Introduction:

Those members of our AEC-PCIE family of boards which include an LTC generator function can be used to automatically generate LTC which matches the Host PC's time-of-day clock. This makes it easy to synchronize other devices, perhaps another PC, to the Host PC's internal clock.

Preliminary Steps:

Before you proceed with the timecode generator application software, it is very important to first follow these steps:

- 1) Install and verify the AEC-PCIE board hardware as described in the “PCIE-TC Board User Guide” in the “Documentation” section of this CDROM.
- 2) Install and test the AEC-PCIE board driver and library files as described in the “AEC-PCIE Windows Guide” in the “Documentation” section of this CDROM.

There is no point to proceeding further with PC clock timecode generation if your AEC-PCIE board hardware, your Host PC, and your Windows software is not all working properly first. We also strongly recommend that you first use the Windows test and demo program to generate LTC via your AEC-PCIE board, and make sure that the LTC output signal, your output cable(s), and your target device(s) are also working properly. The timecode generator capability can be configured to be an automatic Windows “service” (program) which runs automatically every time you turn on your PC.

Documentation Problems:

We apologize in advance for the poor (and/or missing) documentation which presently resides within “PC Clock Output” directory on this CDROM. Better documentation is on our short list of things to do. Please contact <support@adrielec.com> if you need assistance. And thank you for your patience.

Windows 10 Issue(s):

The current “AecClockGen” software is very old. It has come to our attention that it often does not start up properly under Windows 10. We need to rewrite this software to make it work in the modern world. Please contact us to get an idea when that might happen. The squeaky wheel often does get the grease.