Release Notes November 5th, 2019
T3AWG3K-Series firmware-upgrade

November 2019 firmware-upgrade includes the following:

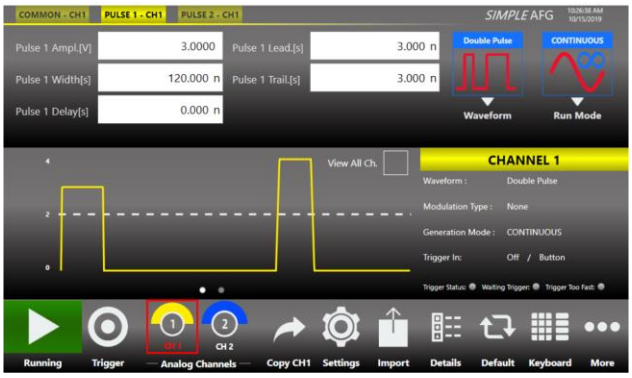
- NEW Function Generator Firmware upgrade
- NEW Arbitrary Waveform Generator Firmware upgrade
- NEW Waveforms Editor SW Utility upgrade
- NEW Programming Examples SDK upgrade

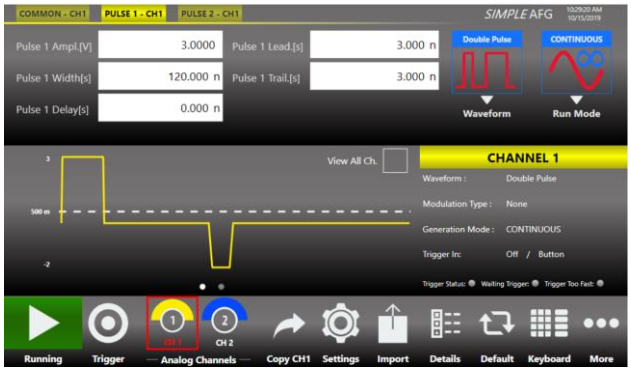
With the following updated manuals:

- NEW Function Generator User Manual
- NEW Arbitrary Waveform Generator User Manual
- NEW Function Generator Programming Manual
- NEW Arbitrary Waveform Generator Programming Manual

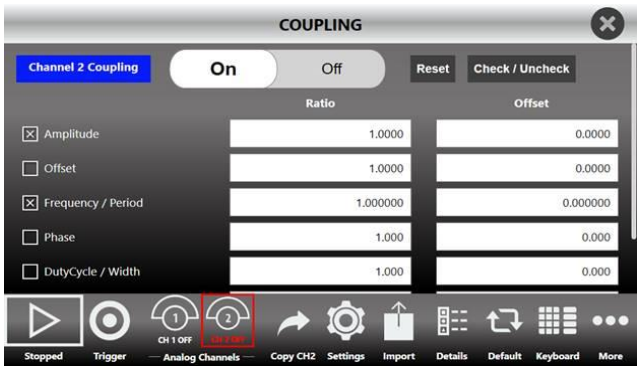
What's New ?

- **Double Pulse** (NEW feature for FG Operational mode)
  Capability to select amplitude, rising and failing time independently for each of the 2 pulses, in addition to pulse width and delay.

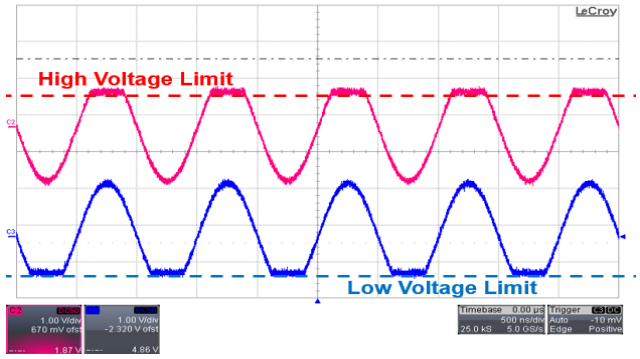




- **Coupling Channels** (New feature for FG Operational mode) Specifically useful for the 8-Ch platform.
  The Channel Coupling section allows you to specify Channel 1 parameters such as frequency, amplitude, offset etc, which are related to the other channel's parameter by ratio (multiplying) and offset (adding). See example below:
  CHN Parameter = CH1 Parameter*Ratio + Offset



- **High Voltage Limit / Low Voltage Limit** (NEW Feature for FG operational mode) Capability to set the maximum and minimum output voltage, for protecting the load.



- **Burst / Gated Real Time parameters** (Feature Improvement for FG operational mode): now the waveform parameters can be changed in real time while the instrument is running in Burst and Gated Mode.

- **Advanced Run Mode** (NEW feature for Arbitary Waveform Operational Mode)
  The Advanced run mode allows users to change the execution sequence by using loops, conditional jumps, unconditional jumps (Jump To, Pattern Jump and Go To features) and events.
  It can be used to create long and complex waveform scenarios.

- **Oscilloscope Acquisition Playback** (NEW Feature for Arbitrary Waveform Operational Mode)
  The playback of downloaded waveforms from an oscilloscope (.trc files format) can replicate the original waveform duration (playtime = capture time). The length of the entry will be automatically calculated to match the original duration of the imported waveform.

- **Sequencer Entry in Time or Length** (NEW Feature for Arbitrary Waveform Operational Mode)

- **Optimization of SCPI Command Speed**

- **Minor Bug Fixes**