

Application Note - Model 575 Digital Delay / Pulse Generator.



Traditional Digital Delay generators take an external trigger or a repetitive internal trigger to initiate pulses that are synchronized to one another. To correctly establish the proper operational capability while using the external trigger input, please follow the steps below.

External Trigger operation

1. Push **Trig** button - we are to select level, edge, and triggered mode
Select Mode: Triggered
Adjust Level: to an appropriate value
Select the Edge: you want to trigger on
 2. Push **Func** then **Mode**
Adjust Mode: to Single Shot – this triggers all the channels
Push **Channel A**
Enable Channel A – you can enable or disable individual channels
Select Wid: and Dly: - each channel can have a separate width and delay
 3. Push **Channel A**
Select Pol: and Out: - each channel can have its own polarity and output type
 4. Push **Channel A**
Select Mode: Normal – the outputs are initiated by the
 5. Push **Channel A**
Select Wait: 0 Pulses – the output occurs after waiting N pulses
 6. Push **Channel A**
Select Mux: A only – one can select which channels' timing is outputted by A
 7. Push **Gate**
Select Disabled
- Repeat steps 1-7 for other desired channels
8. Push **Run/ Stop** - this arms the unit
 9. Start triggering