This is a brief guide to the Agilent 81110A Pulse/Pattern Generator. For more information see the Quick Start Guide. In this guide, references to front panel soft keys commands/commands are bold.

The 81110A pulse generators in Computer Hardware Design lab have a single channel 81112A module installed. The output channel is capable of 3.8V/ 330 MHz max. The pulse generator saves your setting prior to power down. For ease of use, a good starting (CHD lab1) point is stored (1). After powering up the Pulse Generator, recall 1 should provide the following settings:

**Timing**
- Per (period) 50.05ns
- Delay 0ps
- LeadE 0.80ns
- TrailE = LeadE
- TTL-HI +2.5v
- TTL-LOW 0.0mv

**Mode/Trigger**
- Continuous pulses

**Limits**
- on
- High-V +3.30v
- Low -V 0.0mv
- High -A + 70ma
- Low -A - 70 ma (micro)

To enable the output channel, or the complement shift+on/off will light up the led associated with the channel output.

If you connect a 50 cable to the HP oscilloscope (channel 1), press the autoscale button on the oscilloscope: You should view the following waveform.