

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.

