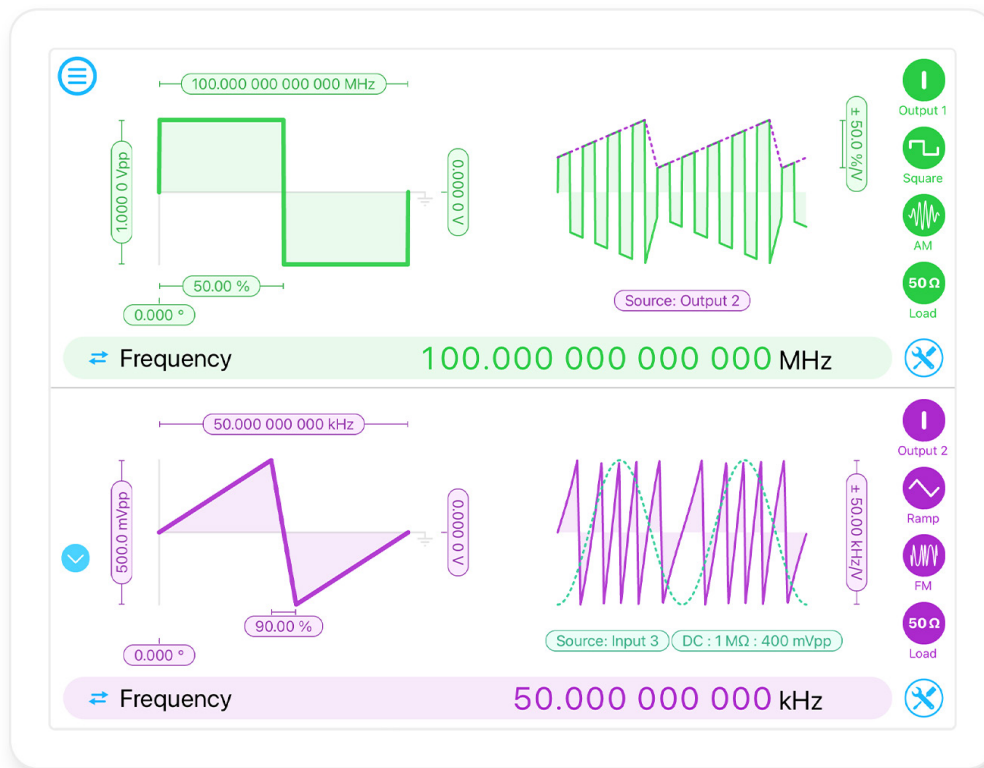




4-Channel 500 MHz Waveform Generator

Moku:Pro's Waveform Generator enables you to generate four independent waveforms with a maximum bandwidth of 500 MHz. Select between sine, square, ramp, pulsed, or DC waveform shapes. High bandwidth modulation of phase, frequency, or amplitude, or generate triggered bursts or sweeps from an internal or external source.



Frequency Range 1 mHz to 500 MHz	Output Voltage Range Up to 10 Vpp (50 Ω)	Modulation FM, AM, PM	Other Modes Burst, Sweep	Timebase Accuracy < 500 ppb
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Features

- Generate 4 independent phase coherent waveforms from DC to 500 MHz
- 5 built-in waveforms: sine, square, ramp, pulse, and DC
- Broadband FM, AM, and PM modulation with internal waveform (cross-channel modulation) or external input
- Versatile trigger options: from input, dedicated TTL trigger port, or another channel
- 10 MHz reference input and output

Specifications

- Output bandwidth:
 - 500 MHz (2 Vpp)
 - 100 MHz (10 Vpp)
- Frequency range (2 Vpp):
 - Sine: 1 mHz to 500 MHz
 - Square: 1 mHz to 150 MHz
 - Ramp: 1 mHz to 150 MHz
 - Pulse 1 mHz to 150 MHz
- Pulse width: 4 ns to period
- Modulation bandwidth: 125 MHz
- Timebase accuracy: < 500 ppb
- Burst mode: start, N-cycle, gated
- Sweep time: 1 ms to 1 ks

Applications

- Signal simulation
- Laser scanning microscopy
- Circuit design and characterization
- System synchronization
- Clock source
- DAC/Op-amp characterization