

Quick Reference Guide

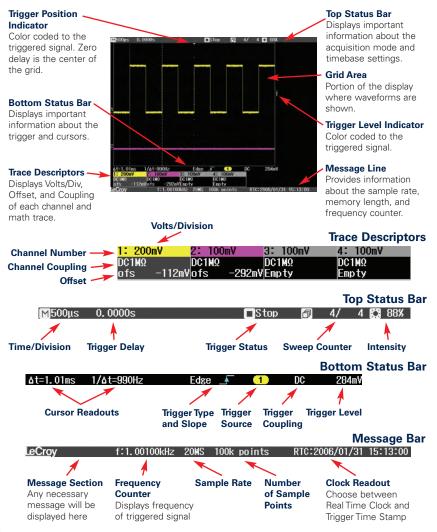


WaveJet[™]Series

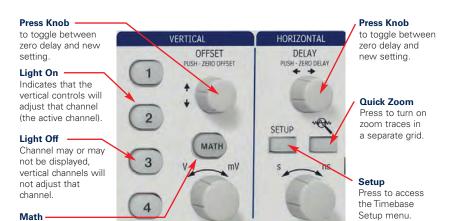
To get started quickly, take a few moments to read through this guide. Additional information can be found in the Getting Started Manual.

On-line help also contains more information on using the oscilloscope.

Understanding Display Information



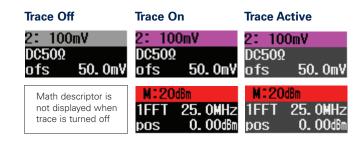
Vertical and Horizontal Controls



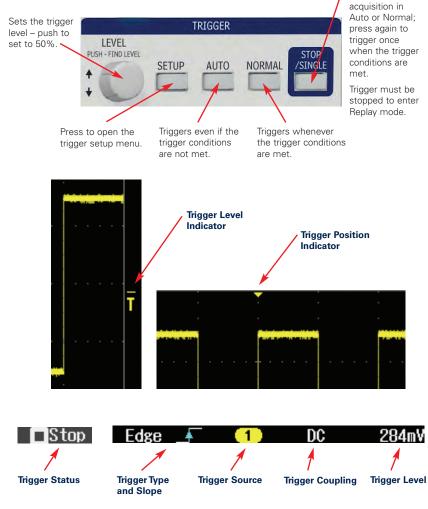
If All Channel Lights are Off

Turns on the Math trace and accesses the Math menu.

Then the horizontal and vertical controls are "active" for a Math trace or zoom trace. If the Zoom light is on then the horizontal controls will adjust the zoom trace. If the Math light is on both the horizontal and vertical controls will adjust the Math trace.



Trigger Controls



Cancels the

Using Cursors

Use the Adjust knob to position the cursors. Press the knob in to select between cursors or to set the two cursors to track together.



Press to turn cursors on, toggle through the cursor types, and then turn the cursors off. Choose between Time, Amplitude, Time & Amplitude, and Value at Cursor.

When light is on the Adjust knob controls the cursor positon.

Δt=1.01ms 1/Δt=990Hz

Horizontal cursor information is located in the bottom status bar directly below the waveform grid.



Vertical cursor information is located in the trace descriptor.

When Time & Amplitude cursors are used the readout is displayed for both cursor types.



Setting Up Measurements



Press the front panel Measure button to access the Measure menu and turn the measurement parameters on. Press it again to turn the parameters off.

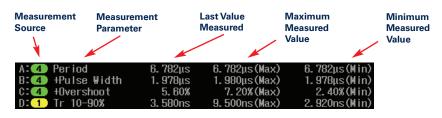


Up to 4 measurements can be displayed at a time, select between measurement lines A, B, C, D.

Selects the source for your measurement, it can be any of the 4 channels or the Math trace.

Select between any of the 26 Automatic measurements.

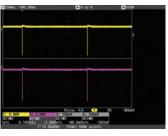
Display or hide the minimum and maximum statistics.



Zoom Your Signals

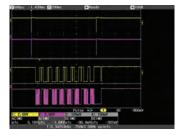


Press the front panel Quick Zoom button to zoom all displayed traces including Math.





Original display before pressing the Quick Zoom button.



After Quick Zoom is pressed the zoom traces are displayed in a separate grid.

Use the delay and Time/Division control to change the zoom factor and portion of the waveform you are zooming.



Setting Up Math



Press the front panel Math button to turn on the Math trace and access the Math menu.



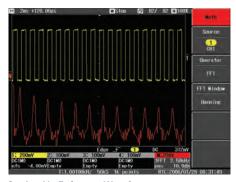
Selects the source for the math trace, it can be any of the 4 channels.

Select between the 4 available Math functions: sum, difference, product, ratio, FFT

Select FFT Window Type



When the Math light is on, use the horizontal and vertical controls to adjust the scale and position of the Math trace.



Setting Up Reference Waveforms

The Math trace appears on the display with Math trace descriptor box.

Saving Reference Waveforms



Press the front panel REF button to access the Reference Waveform menu.



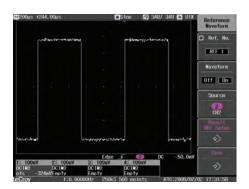
Select between 5 different Reference waveforms.

Turn the Reference waveform on or off.

Select the source for the waveform to save; select from 4 channels and the Math trace

Recalls the oscilloscope settings from when the Reference waveform was originally saved.

Saves the waveform to Reference memory.



Reference Waveforms are displayed in white on the waveform grid.

Documenting Results

WaveJet provides a front panel USB port for a quick and easy way to save waveforms, screen captures, and setups.



Connect a USB memory device to the front panel USB port.



Press the front panel Print button to store a screen capture to a USB memory device.

Set user preferences in the Utilities menu to select file type, file name, and background color.



Press the front panel Save/Recall button to access the Save/Recall Menu.

In this menu save waveforms to USB memory in either ASCII or binary formats, and save and recall setup files from internal memory or from USB memory.

The Save/Recall menu is where the selection to recall the Default Setup is located.

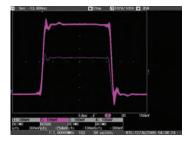
Using Replay



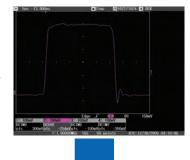
Stop the trigger, then press the Intensity knob to turn on Replay mode; the light will turn on.

Once in Replay, rotate the knob to look back at the history of acquisitions to isolate runts, glitches, or other abnormalities.

The display shows a runt pulse along with a lot of variation in overshoot and undershoot.



Activate Replay to view each acquisition individually on the display.





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Up to 1024 acquisitions can be viewed with Replay.

Rotate the knob to scroll through each acquisition.

Thank You for Purchasing a WaveJet™ Oscilloscope

To offer comments or suggestions about the product, please feel free to email the Product Manager at WaveJet@lecroy.com

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For more detailed information and a listing of LeCroy offices and distributors, please visit www.lecroy.com/goto/wavejet

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