NOTE

To determine the processor type in your scope:

1. Press the SHOW STATUS button.

2. Select the **System** submenu.

3. From the **Hard Options** list, locate an option starting with "CPU":

"CPUP"= PowerPC CPU. "CPU3" = 68030 CPU. "None Found" = 68020.

All 68020, and some 68030, epuipped scopes cannot have their firmware updated remotely. Such models must be returned to LeCroy for updating.

Releases for 93xx Scopes

SOFTWARE VERSION	PRODUCTS AFFECTED	New Feature	Enhancement	Software Correction	NEW FEATURES/MODIFICATIONS
8.2.2	all 93xx except 68020-based, 9324, and 936x		×		• added option to turn off the date/time display completely, or to change its meaning from "time of printout" to "time of trigger"
			×		• added optional time-out to WAIT remote command
			×		• SLEEP remote command created
			×		• expanded digits for time scale value in ASCII file
				×	• TRDL misread corrected
				×	• horizontal scaling corrected for 9344
				×	• large waveform records saved to HDD are now correct
				×	• r@lv: a rise or fall time that exceeds an upper or lower limit now displays "---" instead of a time value
				×	• spikes every 10th division in sinusoidal waveforms in Roll Mode removed
				×	• sequence mode and single channel: data transfer to HDD for a large number of segments no longer results in a system error
				×	• Group Execute Trigger GPIB command now re-arms scope
				×	• AP015 probe degauss and autozero functions corrected
				×	• AP020 probe is now recognized by 9350 and 9370 scopes
				×	• 155 Mb/s mask testing no longer occasionally fails tests inside mask
				×	• PMT harmonics query is now fully functional
				×	• PMT Line harmonic commands no longer cause trace D to turn off
				×	• inoperative JTA parameters corrected

Releases for 93xx Scopes (Continued)

SOFTWARE VERSION	PRODUCTS AFFECTED	New Feature	Enhancement	Software Correction	NEW FEATURES/MODIFICATIONS
8.2.1	all 93xx except 9324, 936x, and 68020-based	× × ×	× ×	× × × × ×	• added Power Measure option • added DA18xx support • added parameters based on min/max instead of base/top • improved calibration and speed of JTA • (sin x)/x maximum input waveform increased from 5k to 500k • DA18xx related front panel lockouts corrected • scaling of FFT for current harmonics corrected • PMT harmonic template and table are now scaled to the power level • PMT Line Power Analysis, Class C, 9th harmonic corrected • AP011 offset corrected
8.1.0	all 93xx except 9324, 936x, and 68020-based	×	× ×		• added option to enter user defined units • AP033 and AP034 support improved • autoscroll feature improved
8.0.0	all 93xx except 9324 and 68020-based	× ×	×	× × × × × × ×	• added resample function for deskewing • added autoscroll feature • CAL BNC connector now provides an adjustable DC level from 0.05 to 1 V into 1 MΩ • WAIT remote command corrected • gain display with AP015 probe while changing V/div corrected • JitterTrack threshold corrected • Δt@lv remote and front panel settings are now similar • trigger times resulting from INSPECT command corrected • TLPER derivative corrected • pattern isolation corrected for 155 Mb/s mask testing
7.6.1	all 93xx except 9324 and 68020-based			×	• Roll Mode auto-roll problem corrected

Releases for 93xx Scopes (Continued)

SOFTWARE VERSION	PRODUCTS AFFECTED	New Feature	Enhancement	Software Correction	NEW FEATURES/MODIFICATIONS
7.6.0	all 93xx except 932x and 68020-based	× × × × ×	 × × × × ×	 × × × × × × × × ×	• added support for 9344CM and 9344CL models • added Jitter and Timing Analysis (JTA) package • added support for AP015 current probe • added support for AP033 500 MHz Active Differential probe • added Remote Control Assistant • added DDFA enhancements • added support for Canon 600 series printers • added support for software option keys • MSIZ, SEQ, and SCLK remote commands improved • increased display time of filename when a trace or screen dump is saved to mass storage media (Telecom) • clipping/granularization of waveforms when PACU setting for level on t@lv (and similar) commands is absolute was corrected • printing to ThinkJet through GPIB no longer hangs up scope • HP7475 printer problems corrected • histograms now updated with analog persistence on • TREND CENTER remote command corrected • grids are now displayed with dual or quad display selected, statistics on, and ≥2 cm/div selected on the internal printer • the message line now appears with BMP printouts • number of points displayed in FFT mode corrected • power-on bit of the Event Status Register now properly set
7.5.1	all 93xx except 932x and 68020-based	×			• added support for Canon 600/800/200 Series color printers
7.5.0	all 93xx except 932x and 68020-based	× ×			• added support for AP215 (DDFA) probe • added support for RS232 115200 kBaud GPIB, normal speed I/O card
7.4.5	9350 9370 (with MT01 or MT02)			×	• DS3 test problem corrected
7.4.3	all 93xx except 932x and 68020-based	×			• released DDFA option

(continued on next page)

Releases for 93xx Scopes (Continued)

SOFTWARE VERSION	PRODUCTS AFFECTED	New Feature	Enhancement	Software Correction	NEW FEATURES/MODIFICATIONS
7.4.2	all 93xx except 932x and 68020-based			× ×	• ORM remote commands corrected • flashing screen during boot-up corrected
7.2.2	all 93xx except 932x			×	• ProBus® watchdog problem corrected
7.2.1	all 93xx except 932x			×	• 8M records with PP092 and PP093 probes corrected
7.1.0	all 93xx except 932x	× ×			• vertical offset for all 4 channels improved • 'Public' Flash update menu improved to allow loader to be updated if detected on source medium
6.9.1	935xA and 937x			×	• External Clock with >100k points memory corrected
6.9.0	all 93xx except 932x	× ×	× ×		• 9384 introduced • ASCII output capability added • functionality of menus, system operation improved • auto mode time-out shortened to allow higher update rate for fast timebases
6.7.2	9384		×	×	• calibration was speeded up • histogram problem corrected

Releases for 93xx Scopes (Continued)

SOFTWARE VERSION	PRODUCTS AFFECTED	New Feature	Enhancement	Software Correction	NEW FEATURES/MODIFICATIONS
6.7.1	all 93xx except 932x	×			• released Optical Recording Measurement option
			×		• compatibility between PCMCIA HDD and Flash Cards improved
			×		• added DC suppression for FFTs
				×	• hang-ups caused by Calluna Technologies PCMCIA HDD corrected
				×	• precluded possible entry into external clock mode when peak detect is active
				×	• linear fit on "near" improved
				×	• change in center of histogram when scale setup menu is entered was corrected
				×	• Delta Clock to Data parameter corrected
				×	• creation of invalid trace in Roll Mode by loading stopped panel corrected
				×	• nonappearance of Pattern Trigger and External status in summary box corrected
				×	• continued display of last trace in Persistence Mode when dot-join is turned off was corrected
				×	• mismatch between ground symbol and trace corrected
				×	• 935x failure to combine channels 1 & 2 using PP092 probe corrected
				×	• inability to remotely combine channels corrected
6.7.0	all 93xx except 932x	×			• added AP011 current probe support for 170 Mb Integral Viper PCMCIA HDD
		×			• added 9374TM support
		×			• added $\Delta t@lv$
		×			• added Delta Clock to data (positive and negative)
		×			• added PROBE_NAME command
		×			• added PROBE_CAL? command for AP011
6.5.1	all 93xx except 932x	×			• added AP011 current probe support
6.4.7	932x			×	• incorrect pass/fail test on RIS corrected

Releases for 93xx Scopes (Continued)

SOFTWARE VERSION	PRODUCTS AFFECTED	New Feature	Enhancement	Software Correction	NEW FEATURES/MODIFICATIONS
6.4.4	9374			× × × × × × × × × × ×	• parameter measurements speeded up • voltage and parameter cursors made similar • values of parameters after CLEAR SWEEPS operation corrected • extra space after scope response removed • halt in real time display of computer trace caused by change of horizontal zoom in roll mode corrected • offset adjustment corrected • visual timing/level cursor restriction to line 1 corrected • failure of pw50 to compute baseline on events >10 000 corrected • hang-ups caused by pw50 calculations corrected • extra "" returned by DEF? remote command corrected • inoperative HFREJ filter corrected
6.4.2	all 93xx scopes			×	• TMPL? no longer returns response with opening quote missing
6.4.0	937x and 936x scopes using only 68030 processor cards	× × ×			• added flash PROM update program to Special Modes menu to enable firmware upgrades through floppy disk • created trigger-ready bit in bit 13 of the INR register. It is also available from the CAL output BNC by selecting it in the UTILITIES → CAL BNC MENU. • sequence averaging on interleaved data is now supported on 935x/937x scopes
6.2.0	DDM/PRML release for all but 932x scopes	×			• added new Pulse-Parameter package, which includes parameters for the Disk Drive market
6.1.0	93xxT/TM 935X	× ×	× × ×	× ×	• added 93xxT/TM support • added Clock/Trig I/O option support for 935x • created programmable pass/fail pulse out width • created status bit to allow Slow Trigger to be queried • Roll Mode corrected • added support for (sin x)/x function in standard box • long strip chart with internal plotter corrected