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Cadex C7200, C7400 and C7400ER Firmware History

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Note: The Cadex C7200, C7400 and C7400ER battery analyzers use the same firmware

Version: Release Date	Major Improvements/Changes
Ver 1.00: August 15, 2000	<ul style="list-style-type: none">- Initial release; only the 7200 platform was available
Ver 2.00: January 4, 2001	<ul style="list-style-type: none">- Added Quicktest & Learn: an adaptive battery test program- Added Boost (Power Boost) to revive batteries with very low voltage- Analyzers can be upgraded by downloading firmware from a PC rather than changing IC's.
Ver 2.02: May 9, 2001	<ul style="list-style-type: none">- Added support for Batteryshop 4.0.- Marked all C-Codes with QuickTest matrices with a "T"- Run-time program duty cycles changed from percentages to milliseconds- Quicktest label printing
Ver 3.00: Mar 21, 2002	<ul style="list-style-type: none">- Added QuickLearn- Improved Learn to prevent overvoltage errors- Provided Support for BatteryShop 4.1- Upload and Download matrices to Batteryshop
Ver 3.01: June 30, 2002	<ul style="list-style-type: none">- Lowered the allowable charge current for both SLA and Li batteries to 3500mA to prevent Code 16x errors.- The single cell 2500mA charge/discharge current limit has been removed for Li batteries. This limit does still apply to NiXX and SLA.- QuickLearn now assumes a battery that is more than 90% to create the matrix – previous version used the target capacity.
Ver. 3.02: Sept 4, 2002	<ul style="list-style-type: none">- Improved resolution of a single Quicklearn/Learn cycle for Nickel Metal Hydride.- C-Code copy function does not erase Quicktest matrix at the destination if no matrix exists for the origin code.- Improved error code management between C7 and Batteryshop.
Ver 3.03: Nov 7, 2002	<ul style="list-style-type: none">- Fixed the following bugs:<ul style="list-style-type: none">- Corrected a problem in the LEARN process where a corrupted matrix was being produced - occasionally, a 100% battery would subsequently be reported as being at 83% by QUICKTEST.- A compiler bug caused the station temperature reading to be displayed incorrectly if the temperature was below 0°C.- Removing a battery from a station when a charge or trickle charge was being applied may produce a 122 "Shorted" or a 128 "Soft" error message.- A fully charged SLA or Li battery may produce a 160 error or a 128 error, if the first cycle of a program is a charge cycle.
Ver 3.04: Jun 6, 2003	<ul style="list-style-type: none">- The default C-Code for NiCd batteries has been changed. Negative Slope is now 16mV/cell for NiCd batteries with 3 or more cells, and 24mV/cell for 1 and 2 NiCd cell packs.
Ver 5.00: Nov 17, 2003	<ul style="list-style-type: none">- In addition to the C7200 and C7400, this firmware release supports the C7000ER with higher voltages and 6A charge current.

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