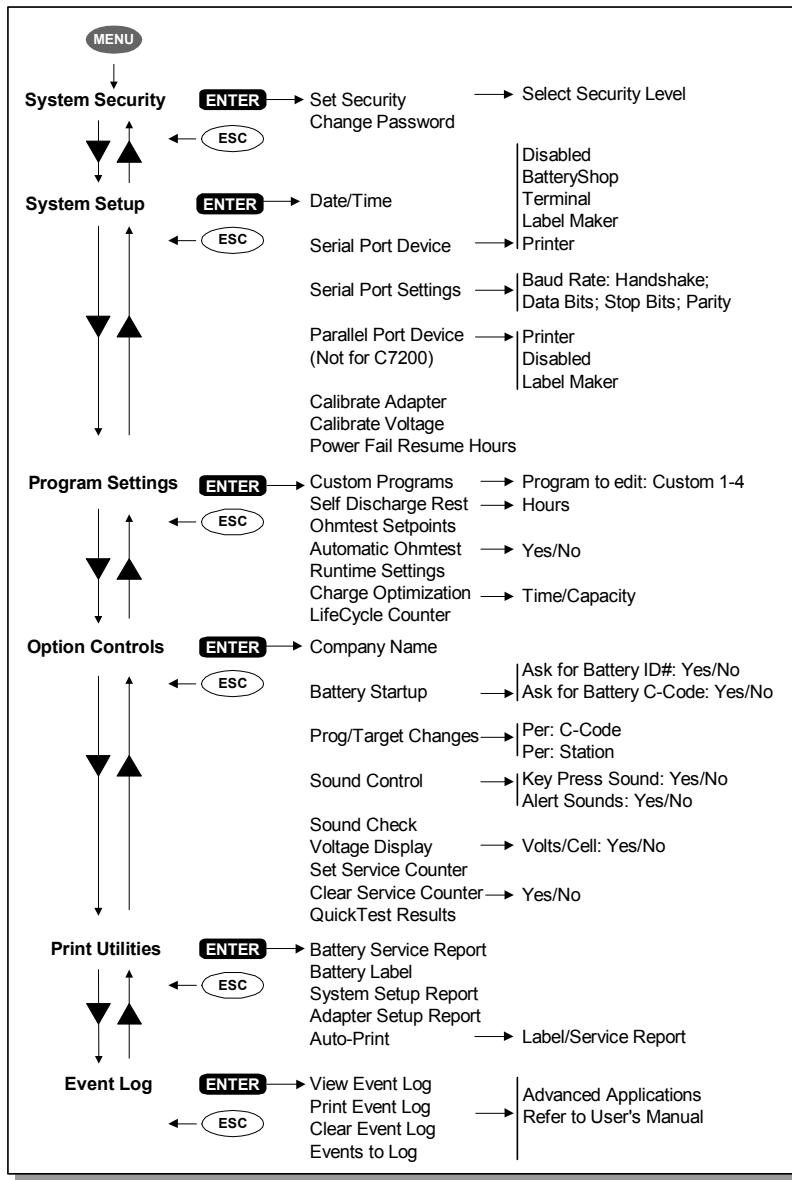


9. Menu



Quick Reference Guide

For Cadex **C7200**, **C7400** and **C7400ER**
Battery Analyzers — Firmware Version 6

1. Getting Started

Connect the unit to the correct voltage and turn power on.
The power switch is located on the back of the unit.

EMPTY	EMPTY	EMPTY	NO ADAPT
Auto	QuickTest	Prime	

*Global start-up display shows status and selected programs. Insert battery only on **EMPTY**. (Display sample of 4-station unit)*

2. Viewing and changing settings

To view settings, press station key in **EMPTY** mode.
To return to global display, press **Esc** key or wait for 30 seconds.

S1 *C1	Pgm: Auto	Target: 80% T
Type: Li	Volts: 3.60	mAh: 600

Pressing station key shows program, Target Capacity and C-Code. QuickTest matrix is present (T).

Each Battery Adapter contains up to 10 individual battery settings (C-Codes).

To choose a C-Code, select station, scroll to desired location with the **▲▼ Direction keys** and press **Enter** twice. The star [*] indicates the default setting. To choose another C-Code, press station key again, scroll to desired location and press **Enter** twice.

To select another program, press station key, press **Edit**, apply changes with **▲▼** and press **Enter**.

To change the Target Capacity, press station key, then **Edit**. Go to Target with **▶**, make changes with **▲▼** or number keys and press **Enter**.

To create or modify C-Code, press station key, select C-Code to be modified with **▲▼** and press **Edit**. Go to lower line by pressing **▶** twice. Change settings with **▲▼**. Move to extended C-Code settings (if needed) using **◀▶**. Press **Enter** to save the changes.

To erase a C-Code, select C-Code to be erased and press **Fn-0**.

To reset extended C-Code to default setting, select C-Code and press **Fn-1**.

To erase QuickTest matrix, select C-Code and press **Fn-2**.

Note: Reprogramming a C-Code will erase the matrix. To protect against tampering, activate System Security with menu.

Warning: Always use the correct C-Code to service a battery. A wrong setting may cause damage to the battery, fire or explosion.

3. Servicing a Battery

Insert battery into Battery Adapter and press **Enter** to verify settings.

If correct, press **Enter** again to start service.

To change settings, press **Edit**, apply changes and press **Enter**.

To change C-Code, go to correct location with **▲▼** and press **Enter** twice.

S1 Discharge	Cap: 98%			
3.10V/Ce11	-600mA	120mΩ	25 °C	1:30

Sample of display during battery service; Cap % advances if flashing; mΩ is taken during service.

4. Printing

To print, select station and press **Print** key, scroll to desired print option with **▲▼** and press **Enter**. Select Port Device with menu (see 9. Menu, System Setup).

5. Programs

Basic Programs

Auto Exercises battery and applies Recondition (nickel-based batteries only) if the Target Capacity cannot be reached.

Charge Applies fast charge only; no capacity readings taken.

Prime Prepares a new battery for field use by repeated cycling until maximum capacity is reached.

QuickTest Checks battery state-of-health in 3 minutes. Applies brief charge or discharge if outside range. (*16K adapters only*)

Advanced Press **▶** to enter **Advanced Programs**

Advanced Programs

SelfDCH Tests battery self-discharge.

LifeCycle Cycles battery continuously until capacity drops to target setting.

DCHOnly Discharges battery, then stops.

ExtPrime Applies 16h trickle charge, then *Prime*. Used for stored batteries.

OhmTest Measures internal battery resistance.

RunTime Provides 3 discharge levels, set in hours and minutes (5-5-90).

Boost Wakes up dead batteries, applies 3 min slow charge. Pressing station key for 3 seconds also starts *Boost*. Press **ESC** to cancel.

Q-Learn Adds QuickTest matrix by scanning new battery (3-5 min).

Learn Improves QuickTest matrix by scanning additional batteries (3-8h). *Important: Run batteries in sequence from high to low capacity.*

Custom Allows four separate user-defined programs.

Basic Press **▶** to return to **Basic Programs**.

6. Target Capacity

90-100% Critical applications; fewer batteries will pass.

80% Recommended nominal setting.

60-70% Less stringent applications; more batteries will pass.

Note: The target setting does not affect the charge level; the batteries are always fully charged.

7. Short Key Functions

Common functions can be set with the **Fn** or **Alt** with number key.

From Edit Display		From Global Display	
Fn-0	Deletes C-Code	Fn-5	Views Service Counter
Fn-1	Resets extended C-Code to default settings	Fn-7	Views Firmware Version
Fn-2	Erases QuickTest matrix	Fn-8	Calibrates Station
Fn-3	Copies single C-Code	Fn-9	Toggles between stand alone and BatteryShop mode
Fn-6	Copies all C-Codes from one adapter to another	Alt-0	Resets defaults and restarts unit
Fn-9	Matrix Protect	Stn Key	3 second key press starts Boost
Alt-Edit	Enters unique names for C-Codes	Alt-Stn Key	Restart Program

8. Abbreviations

S1 = Station 1 selected.

C1 = C-Code 1 selected. Each adapter holds 10 C-Codes.

***** = Default C-Code setting.

SOH = State-of-health indication in % on *QuickTest*.

CG = Confidence Grade for *QuickTest*.

T = *QuickTest* matrix present. Matrix added using *Q-Learn* or *Learn*.

S = Charge/discharge rate scaled back due to excess current.

L = C-Code locked for safety reasons.

P = Matrix locked.