Novatac EDC-85P or 120P
Usage Flowchart
CPF Member – bluecrow76
Version 0.5

Flowchart

```
                                    120P OFF  ←── 1C ──┐
                                       │               │
                                      1C               │
                                       ↓               │
              ┌──────────→ Primary ←──────────┐        │
   Last Setting                    2C      2C │        │
              └──────────→ Secondary ─────────┘        │
                                                    A L L
              Minimum  ←────── 3C ─────────────── M O D E S
                                                       │
   2C ────────→ Maximum ←──────── CP ──────────────────┤
   CP                                                  │
                                                       │
         Momentary        ←── Press and hold ──────────┤
         Maximum          ─── Release ─────────────────┤
                                                       │
         Options Menu     ←──── 3C-P ──────────────────┘
```
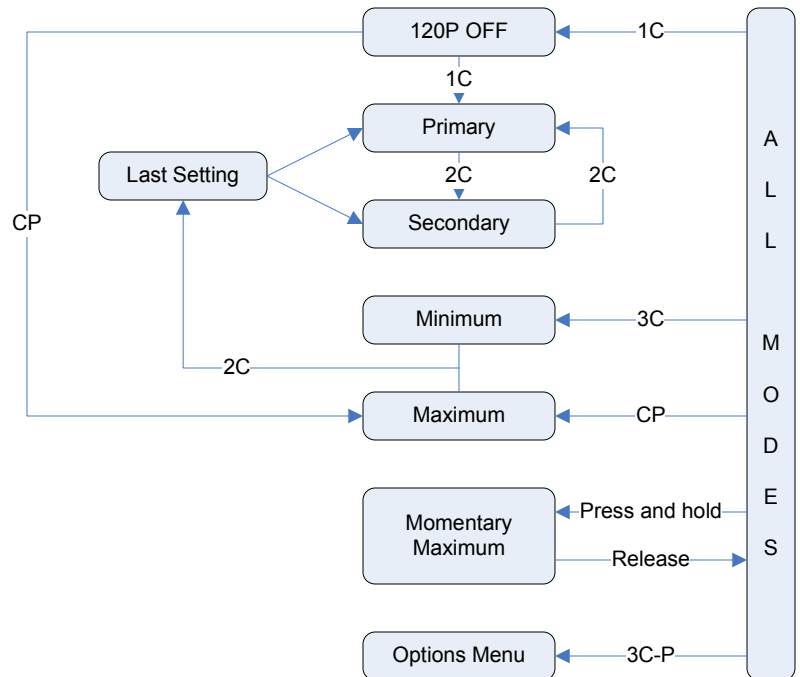
Ramping

From on, 2C-PH to ramp the current brightness setting up. Release when you reach the setting you want. 2C-PH again to ramp in the opposite direction.

To save the setting turn off the light with 1C. To abort the change, switch to another level.

Brightness & Signal Settings

Level	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Lumens	.08	.12	.17	.23	.33	.47	.66	.94	1.3	1.9	2.7	3.8	5.3	7.5
Runtime					240									32

Level	15	16	17	18	19	20	21	Max	Disor Strobe	Emerg Strobe	S O S
Lumens	10	15	21	30	42	60	85	120			
Runtime	14				10	2.5	2.8	1.5	0.5		

Notes: Hashed levels are defaults after factory reset. Runtime are in hours on CR123 in a 120P. Hashed runtimes are from manufacture specs. Non-hashed are from independent tests.

Soft Reset

Turn the light on.
Unscrew the battery case until the light turns off.
Screw the battery case back together; there will be one second of dim light.
The soft reset is complete.

Battery Detect Reset

Turn the light on.
Unscrew the battery case until the light turns off.
Screw the battery case back together; there will be one second of dim light.
During the one second of dim light, press and hold the button.
You will see five seconds of bright light, followed by dim light.
Release the button when the light goes dim.
The battery detect reset is complete.

Factory Reset

Turn the light on.
Unscrew the battery case until the light turns off.
Screw the battery case back together; there will be one second of dim light.
During the one second of dim light, press and hold the button.
You will see five seconds of bright light, 3 seconds of dim light, 2 seconds of bright light then the light will go out.
Release the button when the light goes out.
The factory reset in complete.

Options Menu

Click once to move to the next option. Double-clicking will reverse direction.

When the desired option is reached, Press and Hold the button for 2 seconds until the light turns off.

If the option is being enabled, the light will display an increasing brightness sequence.

If the option is being disabled, the light will display a decreasing brightness sequence.

Release the button when the light turns off. The Option is set and the light will return to the brightness setting it was on when the Options Menu was accessed.

Options

Option 1 (flash):
Emergency Strobe
Default: disabled

Option 2 (SOS):
Emergency SOS
Default: disabled

Option 3 (dim flash):
Locator flash
Default: disabled

Option 4 (long flash):
Force setting
Default: enabled, force to Primary

Option 5 (three rapid flashes):
Automatic button lock
Default: disabled

Option 6 (bright to dim):
Automatic turn off
Default: disabled

Option 7 (short long flash):
Simple momentary
Default: disabled

Option 8 (short short long flash):
Tactical momentary
Default: disabled

Option 9 (dim to bright):
Ramping/Options menu
Default: enabled

Sites and Reviews

Option 1: Emergency Strobe (flash)

The Emergency Strobe option flashes the maximum brightness once a second. It is intended to be used as an emergency beacon. Setting it once enables it. To stop the Emergency Strobe signal, turn the light off.

If the Automatic Turn-Off option is enabled, the Emergency Strobe will turn off after 5 minutes.

The default setting is: Disabled.

The Emergency Strobe may be assigned to any brightness level. See Changing Brightness Settings.

Option 2: Emergency SOS (…---…)

The SOS option flashes the international emergency SOS signal (dot, dot, dot, dash, dash, dash, dot, dot, dot). Setting it once enables it. To stop the SOS signal, turn the light off.

If the Automatic Turn-Off option is enabled, The SOS signal will turn off after 5 minutes.

The default setting is: Disabled.

The Emergency SOS may be assigned to any brightness setting. See Changing Brightness Settings.

Option 3: Locator Flash (dim flash)

The Locator Flash option dimly flashes the light every 3 seconds when it is turned off. This allows you to find your light in the dark.

The Locator Flash runs in the background of all other functions, and will continue to function until disabled.

The Locator Flash is a toggle setting. Setting it once enables it while setting it again disables it.

The default setting is: Disabled.

Option 4: Force Setting (long flash)

The Force Setting option forces the light to turn on to the desired setting. When the Force Setting option is disabled, the light will remember which setting was used when it was turned off, and returns to this setting when it is turned back on.

To select a setting to be forced, first disable the Force Setting option. Select the Minimum, Maximum, Primary or Secondary setting to be forced. Enter the Options menu and re-enable the Force Setting option. The light will now turn on to the selected setting.

If the forced setting is Minimum or Maximum, double-clicking will take you to the Primary setting.

The Force Setting option is a toggle setting. Setting it once enables it while setting it again disables it.

The factory default is: Enabled with the light forcing on to the Primary setting.

Option 5: Automatic Button Lock (three rapid flashes)

The Automatic Button Lock option locks the light off after it has been off for five (5) minutes. If the button is pressed while the light is locked, it will flash three times and remain off.

To release the Automatic Button Lock, triple-click the button. After the third click, the light will turn on.

When the Automatic Button Lock option is enabled, the light can manually be locked by triple-clicking from off.

The Automatic Button Lock option is a toggle setting. Setting it once enables it while setting it again disables it.

The default setting is: Disabled.

Option 6: Automatic Turn Off (bright-to-dim)

The Automatic Turn Off option turns the light off after five (5) minutes of button inactivity. The light will provide a warning prior to turning off by slowly sequencing down to the lowest brightness, and slowly blinking for ten (10) seconds. Clicking the button once during the warning period will restore the light to its original setting.

The Automatic Turn Off option is a toggle setting. Setting it once enables it while setting it again disables it.

The default setting is: Disabled.

Option 7: Simple Momentary (short-long flash)

The Simple Momentary option allows momentary on and click on. When enabled, the light will stay on as long as the button is pressed. Releasing the button turns the light off.

Also, a click turns the light on and another click turns it off.

When the Simple Momentary option is disabled, the light remains on when the button pressed OR clicked.

Simple Momentary is a toggle setting. Setting it once enables it while setting it again disables it.

The default setting is: Disabled.

Option 8: Tactical Momentary (short-short-long flash)

The Tactical Momentary option provides a pure momentary mode of operation. When the button is pressed, the light will be on. When released, the light will be off. Any desired configuration changes (such as forcing on to Maximum) must be made before enabling the Tactical Momentary option.

If the Automatic Button Lock option is enabled, the button will lock upon enabling the Tactical Momentary option and the light remains dark when the button is pressed. Upon releasing the

Automatic Button Lock (triple-click), the light will remain off until the button is pressed again.

When both the Tactical Momentary option and the Automatic Button Lock option are enabled, a Soft-Reset will force the button to lock. Tactical Momentary is disabled by performing a Factory-Reset.

Option 9: Ramping/Options Menu (dim-to-bright)

The Ramping/Options Menu option is used to disable the Brightness Ramping and Options menu, preventing further configuration changes. Perform a factory reset to re-enable the Brightness Ramping and Options menu.

The default setting is: Enabled.

Error Flash Sequence (six rapid flashes)

While in the Options menu, the Error Flash Sequence of six rapid flashes will be displayed if the button is not pressed for 10 seconds, an unknown command is entered, or the button is not held until the light turns off. The light will exit the Options menu unchanged, returning to the last brightness setting accessed.

Low Battery Indication

(light drops down to 50% of its current selected brightness)

As the battery becomes depleted, it will not be able to supply enough power to run the light at its selected brightness. It will momentarily turn off, then back on at half of its previous brightness. This step down process repeats as the battery is depleted. When the lowest brightness level is reached, the light will blink continuously until the battery can no longer power the light. The battery should be replaced before the light reaches this point.

The light remembers the restricted brightness level as long as it remains on.

If a dying battery must be used, a lower brightness level should be selected immediately. The lower the brightness setting, the longer the battery will last.

If there is continued use of a rechargeable battery after the light has dropped to its lowest brightness level, it is assumed you are in an emergency situation and the light will sacrifice the battery to remain on.

High Temperature Indication

The light will reduce the output one brightness level at a time until the temperature stabilizes at a safe level. The light will remember the safe brightness level and will not allow higher brightness as long as it remains on.