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Diamondback PDA Programming -- Initial Setup:

For the Diamondback software to function correctly an initial set-up of the hand-held PDA is required:

- Select the PDA **Start Menu**, then the **Settings** tab , then **Connections**.
- Within Connections, Select the icon for “**Beam**”.
- Within “Beam”, Uncheck the checkbox for “**Receive all incoming beams**”.

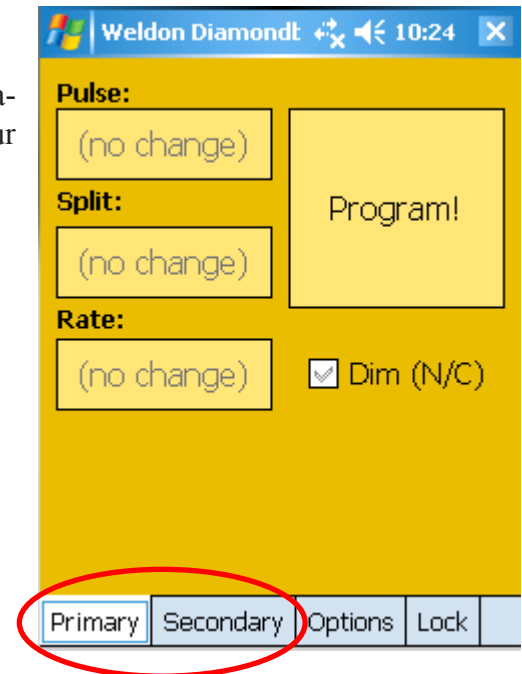
Programming Instructions:

Primary/Secondary:

These two tabs access the flash pattern editor that will create the Diamondback’s Primary and Secondary operation modes. There are four variables to build a custom pattern:

- Pulse
- Split
- Rate
- Dim

Note that each variable also has a “**no change**” setting, which retains the existing assignment.



Pulse type is the main parameter; it describes the way the lights pulse during each ON period of the flash pattern. Options here are **Single**, **Dual**, **Quad** and **QFL**.

Split describes the quadrant sub-patterns during each Pulse. The options are **Full**, **Left-Right**, **Top-Bottom**, **X**, **Swirl**, **California** and **Constant On**. Note that “Constant On” will ignore any Pulse type and Rate currently assigned.

Rate determines the speed that the Pulse and Split patterns are displayed. There are three rates: **75**, **150** and **300** flashes per minute.

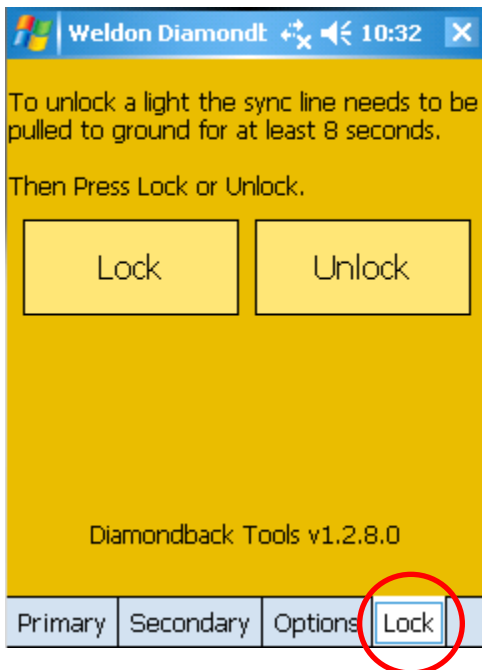
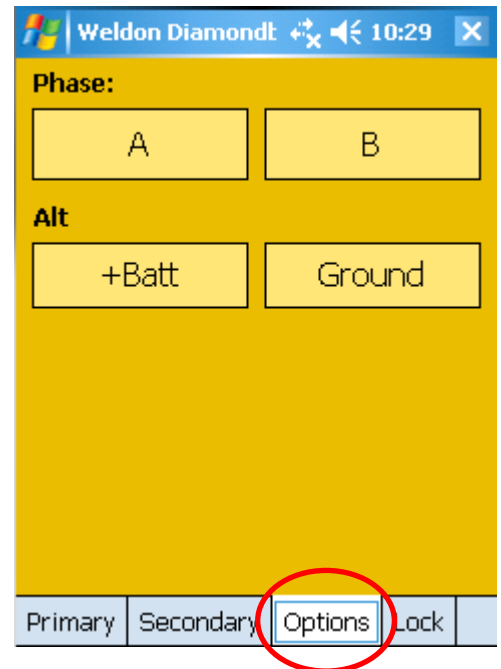
Dim (N/C) sets the illumination level of the Diamondback LED elements, dim or bright. The default checked “**Dim (N/C)**” box may be cycled to:

- **checked “Dim”** = dim
- **unchecked “Dim”** = bright

Options:

The “Options” tab enables two features to be changed, the Phase of the lamp and the operation of the green Alt (Secondary mode) select wire.

1. **Phase** is the same for both Primary and Secondary modes. It determines how the pattern alternates relative to the other lights connected via the blue “Sync” wire. A pattern in Phase “B” is 180 degrees out of sync from the same pattern in Phase “A”.
2. **Alt (Secondary)** determines when the Secondary mode is active. Select either “Ground” or “+Batt” polarity to switch the green Alt wire ON and therefore put the Diamondback in Secondary mode. This means the Alt line must be wired as an ON/OFF switch circuit to the selected polarity.



Lock:

The “Lock” tab accesses the pattern Lock/Unlock options. Once locked, the light can only be unlocked by the following method:

- Hold the blue Sync wire to Ground for minimum of **eight** seconds.
- Set the Diamondback as described below.

Setting the Diamondback:

To set all options in the Diamondback:

- Point the handheld device’s IrDA port at the lower left quadrant of the lens and press the desired option to set.
- If the option was successfully programmed the lamp will indicate this with a swirl of light.

