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## POCKET PAL – INSTRUCTION MANUAL – All Versions -- 300 Series

**MAIN MENU** – Press & Hold the **ESCAPE /ON-OFF Button** to turn “ON” or turn “OFF”. The Pocket Pal enters the Main Menu Screen. The Main Menu has 7 options corresponding to the 7 modes of the Pocket Pal. Use **Up or Down Arrow Keys** to scroll through the options: **Practice** “PrAC”, **Voltmeter** “VoLt”, **Alarm Clock** “A.CLH”, **Stopwatch** “S.CLH”, **Countdown Timer** “cntr”, **Preferences** “PrEF”, and **Date/Time** “dAtE”. Press the **Stage / Enter Key** to select a Mode. The **Main Menu** can be reached at any time by repeatedly pressing the **Escape Key**.

### NOTES:

1. **Low Battery** will come on when Voltage from the Battery Compartment drops below 2.6 Volts (This will occur even if there are no batteries in the battery compartment). Under 2.55 volts -- Practice & Stop Watch cannot be used. Under 2.3 volts -- Pocket Pal will not Power Up.
  2. The Pocket Pal has a **7 Segment Display** that is designed to show Numerals ONLY! We have used upper and lower case letters to describe menu items (All letters are not available).
  3. The Pocket Pal goes to sleep mode after 3 minutes when not in use. This will not effect the Alarm Clock or Countdown Timer. It will not go to sleep while using the stopwatch.
  4. **Mode Key** – Displays the Manufacture Date then the Version Number after Start Up
  5. After changing **Batteries** you will need to Reset the Date & Time.
  6. See Preferences for turning on the Back Light for Night Use !!
- **Power Requirement for Pocket Pal: 2 – AA Batteries** (not included) or **Item# 5320** 12 volt Wall Transformer or **Item# 5315** 12 volt Cigarette Lighter Adapter to power unit.
  - **PRACTICE MODE (PrAc)** – Practice your **Reaction Time** here. Hold the Stage/ENTER key down until the tree begins to cycle. Release the button to clock Reaction Time.

#### Button Descriptions within Practice Mode:

- **Press STAGE/Enter Key** – Stages the tree to practice reaction time (You can also use external Hand Switch, Foot Pedal, or Vehicle Connection). Accessories are the same as those used with the Eliminator Practice Tree. Accessories require a 1/4” to 1/8” Stereo Adapter. One adapter is supplied with every Pocket Pal unit. Plugs in top of unit.
- **Press Mode Key** – to go into Sub Menu Items. Access Statistics, Change Tree Type, Tree Speed, Roll Out, Delay Box, Bump Down, Preset Time to Beat, & More .
- **Press Reset Key** – to override the automatic reset or reset some values to ZERO !
- **Press Escape Key** – Returns to Main Menu or to exit Sub Menu items.

**NOTE:** The Pocket Pal has a SMART menu that always returns to the Menu Item last edited.

**NOTE:** When setting numbers, continued holding Up or Down Arrow will speed up change.

**REMEMBER :** You must depress the “ENTER” Key to Save your changes.

**Press MODE** to go into Sub Menu Items – then UP or Down ARROW Key to Change

(Use “ENTER” Key to Select Sub Menu Item – “ESCAPE” to Return)

**Statistics** (Stat) automatically scrolls through (“6rn” -- # green lights, “rEd -- # red lights, “bEAt” -- # wins over the computer, “AU6” --Running Average),

**Tree Type** (t.tyP) (“FuLL” – “Pro” – “bLoc”(shows 3<sup>rd</sup> Amber Bulb Only) ),

**Tree Speed** (t.SPd)(.400 or .500)

**Roll Out** (roll)(.100 to 1.000 secs) – Factory setting .320 seconds

**Delay Box** (d.b)(0.000 to 1.500 seconds) – Try beginning with 1.000 seconds

**Bump Down** (bP.dn)(0.000 to 0.020 seconds) -- try starting at .010 seconds

**Computer Reaction Time** (PC.rt) (0.001 to 0.255 seconds) -- factory default .030

**Stage On Time** (St.on)(0.200 to 1.500 seconds) -- factory default .900 seconds

**Stage To Start time** (St.2.5) (0.200 to 1.500 seconds) -- factory default .700 seconds

**Auto Reset** (rSEt)(“on” or “oFF”) If this is “oFF” you will have to Press “RESET” after each RT

**Defaults** (dFLt) and “Press Enter” sets unit back to factory settings.

**SPECIAL FEATURE IN PRACTICE MODE:** “Down Arrow Key” Displays Time.

“Up Arrow Key” displays the Vehicle’s Voltage if connected to Vehicle Power.

- **VOLTMETER MODE (VoLt)** – The Voltmeter has 3 Options: Battery Voltage Check, External Voltage Check, and a Probe Voltage Check (Optional Voltmeter Probes-Part# 7050 available).  
Button Descriptions within Voltmeter Mode:
  - **Escape Key** – Returns you to the Main Menu or back to the Voltmeter Menu if the device is taking voltage readings. Use Up/Down Arrow Keys to Scroll through Menu
  - **Up/Down Arrow Keys** – Scroll the Voltmeter Menu. **External Voltage** (Eht.P) Vehicle battery or wall transformer, Pocket Pal **Battery Voltage** (bAtt), **Voltmeter Probe** (Prob)
  - **Enter Key** – Select the Voltage to be read and begin monitoring the voltage.

- **ALARM CLOCK MODE (A.CLH)** – The Alarm Clock is set in Military Time (0 for Midnight – 1200 for Noontime to 2399 (11:59 PM). “oFF” will appear on the display if the Alarm Clock is OFF. Use the **Up/Down Arrow Keys** to enter and set the Alarm Clock Time. Press the **Mode Key** to retrieve a previous Alarm Clock Setting. Press the **Enter Key** to Save Setting.

Button Descriptions within Alarm Clock Mode:

- Press the **Enter Key** to enter the Alarm Clock Mode (A.CLH) from the Main Menu
- Press the **Up/Down Arrow Keys** to **Set the Alarm Clock time**
- Or Press the **Mode Key** to bring back previous Alarm Clock setting.
- **Enter Key** – Saves Alarm Clock setting and returns to the Main Menu
- **Reset Key** – **Turns Off** the Alarm Clock when Pocket Pal is in use
- **Escape Key** – **Turns Off** the Alarm Clock when Pocket Pal is in Sleep Mode.
- **Escape Key** will also return to the main menu without saving changes. Always press **Enter Key** to save your changes.

**NOTE:** The alarm clock keeps running even when the Pocket Pal is in Sleep Mode !

- **STOPWATCH MODE (S.CLH)** – The Stopwatch will time from 0 to 199.99 seconds (about 3 ½ minutes) or from 0 to 1999.9 seconds (about 33 ½ minutes).

Button Descriptions within Stopwatch Mode:

- Press **Enter Key** to enter the Stopwatch Mode (S.CLH) from the Main Menu
- **Mode Key** – Changes between 199.99 second and 1999.9 second timing by changing the decimal point
- **Enter Key** – Press to **Start** the Timer and **Stop** the Timer. Press **Enter Key** again to Restart Timer and continuing from the time it was stopped.
- Press **Mode Key** – Displays time in minutes. seconds on the display
- **Reset Key** – Stops the timer and resets the stop watch to 000.00
- **Escape Key** – Stops the timer and returns to the main menu

Lap Timer Instructions:

- While Stopwatch is running Press & Hold the **Mode Key** to display the Lap Time. Stopwatch timer continues to run in the background. Release to view current running time.
- **Enter Key** - Stops the timer and keeps the total time on the screen

- **COUNTDOWN TIMER MODE (cntr)** – The Countdown Timer allows you to set up to 1 hour 59 minutes and 59 seconds. The counter then counts down from the set time and sounds an alarm when 0.00.00 is reached.

Button Descriptions while Timer is not running:

- Press **Enter Key** to enter the Countdown Timer Mode (cntr) from the Main Menu
- **Up/ Down Arrow Key** – Sets the Timer value up to 1 Hour 59 Minutes and 59 Seconds
- Press **Enter Key** – Starts the Timer (If you press **Enter Key** a second time will Zero out Timer)
- **Escape Key** – Returns you to the Main Menu (Timer continues to run)
- **Reset Key** – Turns OFF the Alarm and Resets Timer to 0.00.00
- The **Escape Key** – **Turns Off** the Countdown Timer when Pocket Pal is in Sleep Mode.

**NOTE:** The Count Down Timer keeps running even when the Pocket Pal is in Sleep Mode !

- **PREFERENCE MODE (PrEF)** – Press the “**ENTER**” key then **UP or DOWN Arrow** to change to BackLight (bLlt) or Contrast (cont) mode and then the “**ENTER**” key to select. Backlight is either “on” or “off” (use Up / Down Arrow to set). Use the Contrast Control to Darken or Lighten your LCD screen’s contrast ( This does not effect the Back Light ).
  - Press **Enter Key** to enter the Contrast Control Mode (cont)
  - Press **Up/Down Arrow Keys** to change from 0 (Lightest ) – 15 (Darkest)
  - Press **Enter Key** – to Save your change and Return to the Main Menu
 NOTE: Back Light is for NIGHT USE. Contrast sets the LCD Darkness ( Day or Night ).
  
- **DATE/TIME MODE (dAtE)** – Press the “**ENTER**” key then **UP or DOWN Arrow** to change to Display (dISP) or Edit (EdIt) mode and then the “**ENTER**” key to select.
  - Display Current Date & Time (dISP):
    - Press **Enter Key** to display Month & Day then Press **Enter Key** – Displays the Year
    - Then Press **Enter Key** – Displays Hour & Minutes AM or PM.
    - Press **Escape Key** – Twice to Exit Display Date & Time Mode

**To Edit Date & Time (EdIt):**

- Use **Up/Down Arrow Keys** to Change Date & Time settings
- Press **Enter Key** – E. (Month) Press **Enter Key** d. (Days) Press **Enter Key** – y. (Year)  
Press **Enter Key** – h. (Hours – Military Time)
- Press **Enter Key** – n. (Minutes)
- Must Press **Enter Key** to Save after each change.
- **Escape or Enter Key** – Returns to Sub menu
- Press **Escape Key** – Returns to Main Menu

**HOME USE WARRANTY**

Portatree Timing Systems, Inc. warrants the Pocket Pal for one year against any defects that are due to faulty material or workmanship. Please return the complete unit, transportation and insurance prepaid, to Portatree Timing Systems, Inc for replacement or repair at Portatree’s option. Proof of Purchase is required on units purchased from anyone other than Portatree Timing Systems, Inc. The warranty gives you specific legal rights and you may have other rights which vary from state to state. Should you have any questions, contact:

**Portatree Timing Systems, Inc. – P.O. Box 206 – Uxbridge, Ma. 01569**  
**Tel: 508-278-2199 ext 508 - Fax: 508-278-5887 - Email: [info@portatree.com](mailto:info@portatree.com)**

**NOTE:** Repairs will not be started unless a note describing the problem, a contact daytime telephone number, and a complete return address are provided with the unit to be repaired.

**YOUR WARRANTY WILL BE VOID:** If you try to connect a TRANSBRAKE OR LINELOCK without Portatree’s Trans-brake Vehicle Adapter. If 12 Volts is applied directly to the Accessory Port, the main processor will be permanently damaged and you will be charged for this repair.

**HOLD HARMLESS**

Portatree Timing Systems, Inc. is in no way responsible for the safety of any vehicle being tested while using Portatree equipment. Usage of Portatree Equipment for testing purposes is solely the responsibility of the User to take the necessary and proper safety precautions regarding the use of all Portatree equipment and use of a racing vehicle.