

Ver 5.0.2  
US\$12.00

*R. U. Ready Electronics Ltd.*  

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*Precision Digital Timing*

***Sport - Timer 3000***  
***Digital Timing System***

**Users Guide**

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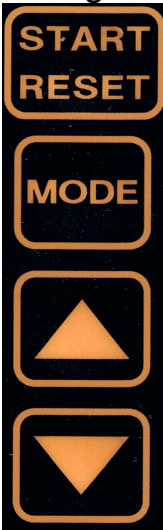
# DESCRIPTIONS OF EQUIPMENT AND OPERATION

## Sport Timer 3000 Controller/Timing Computer



- Master timekeeper for the entire System
- Manages all wireless communications
- Start/Stop control by pushbutton or wireless IR Beams, or both
- Displays times to 1/1000<sup>th</sup> second
- Fully wireless operation
- Powered by standard 9V Alkaline Battery

Four pushbuttons control normal operation as well as change the configuration of the timer.



Used to turn ON the Sport Timer

Used to Start or Stop, just like a stopwatch  
Selects a Menu item when in Configuration

Used to Turn OFF or RESET the Sport Timer  
Used to enter Configuration Menus

UP and DOWN arrows scroll through times in Memory, up to 100 times stored  
Used to Select Menu Items when in Configuration

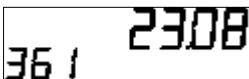
Used to set times for special functions

**ON** - Press/hold **START/RESET** for 3 sec.

**OFF** - Press/hold **MODE** for 3 sec

**RESET** - Press/hold **MODE** for 1 sec.

Must be STOPPED to turn OFF or RESET



Reading the Time Display (example):  
This display on the Sport Timer 3000 shows 23 minutes 08.361 seconds.

The Sport Timer powers down after 1 hour of inactivity

## Infrared (IR) Beam Transmitter (yellow box)



- Placed on one side of a timing line
- Standard 9V Alkaline Battery power
- Emits IR (invisible) light signal
- Tripod socket for mounting

Mount the Transmitter on one side of your Timing Line using a standard camera tripod or another mounting method. Point the end of the Transmitter with the four LEDs where you will be locating the Beam Receiver.

Move the switch on the side of the Transmitter to the ON position. The IR (infrared) light is invisible.

If you are using more than one IR Beam for independent Start and Finish locations or segment timing, install the remaining IR Beam Transmitters and Receivers.

## IR Beam Receiver (black box) and Beam Alignment



- Placed on other side of a timing line, opposite a Transmitter
- Standard 9V Alkaline Battery power
- Red LED indicates proper alignment of Transmitter and Receiver Beam
- Wirelessly signals Sport Timer when the Beam is broken
- Tripod socket for mounting

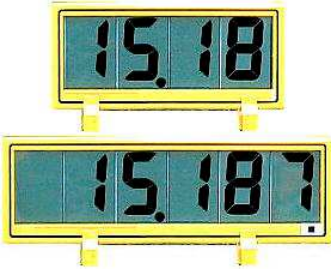
Mount the Receiver opposite the Transmitter(s) on the other side of Timing Line(s) using a standard camera tripod or another mounting method. Point the end of the Receiver with the round window toward the Beam

Transmitter. Move the switch on the side of the Receiver to the ON position. The red LED on the back of the Receiver will either be flashing or on solid.

### **Beam Alignment**

Roughly point the Receiver toward the Transmitter until the LED is ON solid (not flashing). Move the Beam Receiver to the LEFT until the LED flashes, move to the RIGHT until it flashes and center it between these two points. Then move UP until it flashes, DOWN until it flashes and centering between the two, for perfect alignment. Do this carefully and you will eliminate the biggest source for errors in timing. IR Beams are very reliable and accurate when properly aligned.

### **Big Display Scoreboard (4 and 6 digit models)**



- 4 and 6 digit models
- Large LCD Display visible from 150 ft. or more
- Fully Wireless operation
- Standard 9V Alkaline Battery or optional AC adaptor
- Standard tripod socket, four legs on bottom or hanging bracket for mounting

Move the switch on the side of the Display to the ON position. You will see the System ID Number appear on the screen briefly, *1234* followed by *rdy* (Your System ID Number may differ from this example). One or more Big Display Scoreboards will display the same times on the same System ID Number., or multiple Sport Timers with different System ID Numbers can send time displays to individual matching ID Scoreboards.

## (Optional) Wireless Data Interface to Windows PC



- Times are sent wirelessly from Sport Timer to Wireless Interface
  - Connects to USB Port on PC
  - Powered by the USB port
  - Includes software to “type” times where the PC cursor is located
  - All times are also logged to a file on the PC
- Full-screen mode supports large monitors, Jumbotrons, etc.
  - Compatible with many other available timing and event management software packages

The Wireless Data Interface is powered by the Windows PC, through the USB cable, no batteries or other external power sources are required.

Installation and use depends on the software package that you choose.

The PC Interface comes with a copy of Pawsoft software. See Appendix 2 for complete Installation and operating Instructions.


Other software packages will require their own individual installation and use instructions – consult the software provider for complete details.


To connect the PC Interface to your Windows PC, plug the USB cable into the PC Interface Unit and the other end into an unused USB Port on your PC.

## BASIC TIMING SETUPS


The Sport Timer 3000 is a versatile stopwatch/timing computer that can be used in many different ways to provide precision timing for many events.

The Timer can be Started and Stopped with any combination of Manual pushbutton and one or more IR Beams. These examples use the Factory Default Settings:


To turn the Sport Timer ON - press and hold . You should see all zeros on the display.

NOTE: Whenever you use the  button to either Start or Stop the timer manually you can press and **hold** the button down and the Timer will Start or Stop when you **release** the button. This is a very precise way to operate the Timer manually – similar to a two-stage trigger on a rifle. Of course you can always just quickly press and release the button if you wish. TRY IT!

- **Manual Stopwatch**

With the Timer stopped, press the  button and it will start timing, press again and it will stop.

- **Single IR Beam at Finish Line, manual Start**

With the Timer stopped, when you press the  button the Timer will start timing. Breaking an IR Beam at the Finish line will stop the Timer.

- **Single IR Beam at Start Line, manual Finish**

Breaking an IR Beam at the Start line will Start the Timer. Press the  button and it will Stop the timer.

- **Single IR Beam at the Same Start/Finish line**  
Breaking the Beam at the Start/Finish line will start the timer, breaking the Beam again will Stop the Timer.
- **Dual IR Beams at Separate Start and Finish lines**  
Breaking a Beam at the Start line will start the Timer, breaking another Beam at the Finish line will Stop the Timer.
- **Multiple IR Beams for segment timing**  
Breaking a Beam at the Start/Finish line, or separate Beams at different Start/Finish lines provides total Elapsed Time. Additional Beam(s) between Start and Finish provide partial segment times when the Timer is configured for as many Splits as there are segments.
- **Using Deadtime to disable Beams**  
Deadtime can be set in 1 second increments (up to 400 seconds) on a Start or Stop Beam, or on both, or a Single Beam used at both Start and Finish. As soon as the Beam is broken it is disabled for as long as it remains broken, *plus* the deadtime setting. This allows a large object to completely clear the Beam without re-tripping the Timer, or shuts off the Beam so it does not respond again for the duration of the deadtime setting.
- **Review times stored in memory**  
As long as the Timer remains ON, the last 100 times in memory are available for review. When the Timer is not running use the UP and DOWN buttons to scroll through the times sequentially.

See **APPENDIX 1-Timing 101-Typical Settings**




## CONFIGURATION MENUS

The Sport Timer 3000 is actually a small computer that can be programmed to time many different events by changing various settings. Once you make your required changes they are retained in memory on the Sport Timer, even if it switched Off or the battery is removed. See Appendix 1 for recommended settings for some popular events.

These settings let you change how the Sport Timer 3000 operates. Each setting has one or more options – the factory default setting is shown with a solid border.


Once you enter the Menu System you can easily scroll through all of the menu Items one by one until you reach the one that you need to review or change.


With the Sport Timer OFF, hold down the  button until you see SEE on the screen – release the

button and you will see the first menu item: CLOC


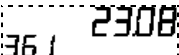
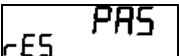
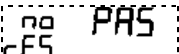
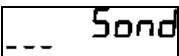
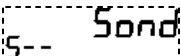
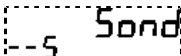
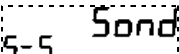
Use the UP and DOWN buttons to scroll through the Menu Items in order:

cloc>PAS>Sond>StEP>circ>LAP>SPLi>ScLc>Strt>StoP>For>dFLt>tEst

To select a Menu Item, press the  button

To exit a Menu Item back to the scrolling list press , press it again to exit completely and turn OFF.

# Complete list of Configuration menus and Settings

MENU ITEM	SETTINGS	Default Setting	
CLDC	Sets the Timer to count <u>UP</u> from Zero or count <u>DOWN</u> from a preset number Set with <u>UP</u> and <u>DOWN</u> buttons		
	 Set for all Zeros, timer will Count <u>UP</u> from Zero		
	 Set for any non-zero time with the UP and DOWN buttons, timer will Count <u>DOWN</u> from that time.		
	Note: Any non-zero setting will force the Timer to always count <u>DOWN</u> to Zero.		
PAS	When the Timer is started it resets instantly to Zero or continues with previous count. Change setting with <u>UP</u> and <u>DOWN</u> buttons		
	 Set for rES and timer will always instantly reset to Zero when it starts		
	 Set for no rES and timer will resume the displayed time when it starts		
Sound	Sound signal when Timer Starts, Stops, or both. Change with <u>UP</u> and <u>DOWN</u> buttons		
	 NO Signals	 START only	 FINISH only
	 Signal at START and FINISH		

**SEEP**

Allows you to choose Fast or Slow setting steps when you pre-program times (with **CLOC CIRC 5cLc** settings, for example). Change setting with **UP** and **DOWN** buttons

**FSE SEEP**

Set for FSt and times will increment in full seconds

**S.L.P SEEP**

Set for Slo and times will increment in 50/1000ths of a second

**CIRC**

Sets Circuit Training Program Time

**000**

Set with **UP** and **DOWN** buttons, Program is OFF when set to all Zeros

**LAP**

Selects LAP Timing. Preset number of Laps, each Lap resets to Zero and starts counting, 100 Lap times are stored in memory.

**OFF LAP**

LAP timing is turned OFF if set with **DOWN** button

**2 LAP**

Set for 2 to 100 laps with **UP** and **DOWN** buttons

**2<sub>2</sub> LAP**

**5<sub>2</sub> LAP**

**h<sub>2</sub> LAP**

**2 LAP**

Set upper left digit to **2**, **5** or **h** with **START RESET** to display LAP times for **2** or **5** seconds, or **h** hold to next LAP, or **BLANK** for no display

SPL

Selects SPLIT Timing. Preset number of Splits, each Split continues timing, 100 Split times are stored in memory

OFF SPL

SPLIT timing is turned OFF if set with DOWN button

2 SPL

Set for 2 to 200 splits with UP and DOWN buttons

2 LAP 5 LAP h LAP 2 SPL

Set upper left digit to 2, 5 or h with START/RESET to display SPLIT times for 2 or 5 seconds, or hold to next SPLIT, or BLANK for no display

SLC

Sets Rest time for Circuit Training Program

000

Set with UP and DOWN buttons

STRT

Sets Start Deadtime on a Start Beam. Beam will remain inactive for as long as it remains broken, plus the Deadtime

1 STRT

Set with UP and DOWN buttons in 1 sec. increments, up to 200 sec.

STOP

Sets Stop Deadtime on a Stop Beam. Beam will remain inactive for as long as it remains broken, plus the Deadtime

2 STOP

Set with UP and DOWN buttons in 1 sec. increments, up to 200 sec.

---

For

Sets USB Data format with **UP** and **DOWN** Buttons (Does NOT affect Sport Timer or Big Display Scoreboard display format). Allows adjustment of format for various software packages that use the Wireless Data Interface for Windows PC.

on For

Send time data as **mm.ss.ddd**

off For

Send time data as **ssss.ddd**

---

dFLt

Resets Sport Timer back to all Factory Default Settings except System ID number.

**START  
RESET**

button changes from **no** to **yes**.

no rSEt

Set for **no**, press the **MODE** button to cancel the reset to defaults.

yes rSEt

Set for **yes**, Press the **MODE** button to complete the reset to defaults.

---

EESE

Enables testing of wireless radio range For troubleshooting by factory technicians

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# **SPECIFICATIONS**

## **Sport Timer 3000 Controller/Timing Computer**

Dimensions - 4 1/2 " x 2 3/4" x 1" (114mm x 70 mm x 25mm)

LCD Area - 1 1/2 " x 1/2 " (38mm x 13mm)

Weight: 5.3 oz (150 g) with 9 Volt Alkaline DC Battery Installed

Receives Signals from the Wireless Beam Receivers. Transmits it's time to any number of Four (4) or Six (6) Digit Displays with matching system IDs.

Last 100 times sequentially stored in memory for review

Optional LOUD Beep start and stop signals

Belt Clip, Optional Nylon Carry Case

## **Infrared (IR) Beam - Transmitter and Receiver**

Dimensions Receiver: 6 " x 2 3/4" x 1 1/4 " (152 mm x 70 mm x 32 mm)

Receiver Weight: 4 oz (115 g)

Dimensions Transmitter: 5 1/4 " x 2 1/8 " x 1" (133 mm x 54 mm x 25 mm)

Transmitter Weight: 3 oz (85 g)

Distance between Receiver and Transmitter: 6-150 feet (2-50 meters) min.

Can be mounted on a standard camera tripod (not included).

## **Big Display Scoreboards**

4-digit model: 14 1/2" x 6 3/4" x 1 5/8" (368mm x 171mm x 42mm)

LCD Area: 13" x 4 5/8 " (330mm x 119mm) LCD Weight - 2 1/2 pounds (1.05K)

Weight: 2 1/2 pounds (1.05 Kg)

6-digit model: 21 " x 6 3/4" x 1 5/8" (533mm x 171mm x 42mm)

LCD Area: 19" x 4 5/8 " (483 mm x 119mm)

Weight: 3 1/2 pounds (1.50 Kg)

Large LCD numbers - 4" tall by 2" wide (100mm x 50mm)

Optional: 110V AC power supply.

Mount on standard camera tripod (not included), hanging bracket or .

Time visible up to 150 feet (50 meters) even in bright sunlight

Optional clip-on 110V AC powered night light for dark locations

## **Wireless Data Interface to Windows PC**

Dimensions: 3 1/2" x 2 1/2" x 1" (89 mm x 64 mm x 25 mm)

Weight - 3 oz (85 g) with 18" (456 mm) USB cable

Receives times wirelessly from Controller and sends to USB connection

Self-contained, powered by USB connection

Open source serial data format, virtual serial COM port driver included for Windows

## **General**

Resolution: 1/1000<sup>th</sup>. second, temp. compensated, crystal controlled

Power: All units operate on standard 9 volt Alkaline DC battery

Operation range: 10F-105F / -10C to 40C

Unique system IDs from 0000 to 9999 allow multiple systems to operate at the same location without interference

Wireless Range: 600 feet (180 meters) from controller, under optimal conditions

## APPENDIX 1

### Welcome to Timing 101 !

#### **Typical Settings for various timed events for the Sport Timer 3000**

The Sport Timer 3000 is a very flexible and easily configured precision timing computer that can be used to time literally hundreds of different events across many competitive and sporting activities. Just a few examples:

**Athletic events** - Racing, Skiing, Skating, Curling, Track & Field, BMX, Archery, Dog Racing, Dog Agility

**Equestrian** - Barrel Racing, Rodeo, Western and English Riding, Racing, Training, Eventing

**Motorsports** - Auto, Motorcycle, Autocross/Gymkhana, Truck, Drag Race, Tractor Pull, Mud Bog, Hill Climb

**Training, other timing** - Circuit Training, Speed Training, Choreography, Emergency Responder Training

Events are categorized by the types of time measurements that are required, and the physical layout of the event that determines how to Start and Stop the event.

#### **WHAT ARE WE TIMING?**

##### Elapsed Time

The most common is total elapsed time, starting at Zero and stopping at the Finish for the event. One run of the event gets one time. Example: A race Starting at Point A and Finishing at Point B. Or, once around a course from a Start point back to Finish at the same point. Timing can start at Zero and count up, or count down to Zero from a pre-set time.

### Lap Times

Multiple times on the same course, each one Starts timing again at Zero when the Start/Finish line is crossed again. One run of the event gets more than one time.

### Split Times

Additional times between the Start and the Finish are recorded at one or more intermediate points.

## **WHERE ARE THE START AND FINISH POINTS?**

IR Beam events. One or more IR Beams are located in such a way as to Start *and* Stop the timing for the event. This includes having either the same location for both Start and Finish using a single IR Beam, or different Start and Finish locations using two or more IR Beams.

Hybrid events. These events use an automated method such as an IR Beam to *either* Start *or* Stop timing, but still need a judge to manually complete Starting or Stopping with a pushbutton.

Stopwatch type events. These are events where it is impossible to judge the Start and Stop of the timed event other than by awareness of a judge or timekeeper, and a manual pushbutton.

## **EVENTS AND HOW TO SETUP FOR TIMING**

- Here are some examples of popular events. Find your specific event, or a similar one, to use as a guideline for configuring the Sport Timer.
- MANY events can use the factory default settings or just need minor adjustments and are indicated by a “Y” in the DEFAULTS column. See the NOTES section if a number appears in the DEFAULT column for more details.



	DEFAULT	COUNT (UP/DN)	# BEAMS	MANUAL	cloc	PAS	Sond	StEP	circ	LAP	SPLi	ScLc	Strt	StoP
Y Uses this setting # Set this value ? Optional setting ▲ UP ▼ DOWN														
<b>DEFAULT SETTINGS</b>	Y	▲	?	?	0	res	---	fst	0	0	0	0	1	2
3-Cone Drill	11	▲	1	?	0	res	s-s	fst	0	0	0	0	1	2
40/60/100yd. Dash	Y	▲	2	?	0	res	s-s	fst	0	0	0	0	1	2
ATV	Y	▲	2	?	0	res	s-s	fst	0	0	0	0	1	2
Autocross	9	▲	1	?	0	res	s-s	fst	0	0	0	0	1	2
Barrel Racing	Y	▲	1	?	0	res	?	fst	0	0	0	0	1	2
Baseball	Y	▲	2	?	0	res	s-s	fst	0	0	0	0	1	2
BMX	Y	▲	1	?	0	res	s-s	fst	0	0	0	0	1	2
Boxing	1	▼	0	?	3m	res	s-s	fst	0	0	0	1m	1	2
Bronc/Bull Riding		▼	1	?	8s	res	s-s	fst	0	0	0	0	10s	2
Calf Roping	2	▲	1	Y	0	res	?	fst	0	0	0	0	1	2
Circuit training	4	▼	0	Y	0	res	s-s	slo	#	0	0	#	1	2
Countdown	13	▼	?	Y	#	res	s-s	slo	0	0	0	#	1	2
Cross Country	10	▲	2	?	0	res	?	fst	0	0	0	0	1	2
Curling	12	▲	2	?	0	res	s-s	fst	0	0	0	0	1	2
Cutting	5	▲		?	0	res	?	fst	0	0	0	0	1	2
Cycling	9	▲	1	?	0	res	s-s	fst	0	0	0	0	1	2
Dog Agility	6	▲	2	?	0	res	s-s	fst	0	0	2	0	1	2
Dog racing	Y	▲	2	?	0	res	s-s	fst	0	0	0	0	1	2
Downhill	10	▲	2	?	0	res	s-s	fst	0	0	0	0	1	2
Drag Racing	Y	▲	2	?	0	res	s-s	fst	0	0	0	0	1	2
Firefighter Training	11	▲	2	?	0	res	s-s	fst	0	0	0	0	1	2
Football	Y	▲	2	?	0	res	s-s	fst	0	0	0	0	1	2
Gymkhana	9	▲	1	?	0	res	?	fst	0	0	0	0	1	2
Hillclimb	10	▲	2	?	0	res	s-s	fst	0	0	0	0	1	2
Horse Racing	Y	▲	2	?	0	res	?	fst	0	0	0	0	1	2

Y Uses this setting # Set this value ? Optional setting ▲ UP ▼ DOWN	DEFAULT	COUNT (UP/DN)	# BEAMS	MANUAL	cloc	PAS	Sond	StEP	circ	LAP	SPLI	ScLC	Strt	StoP
Laps	7	▲	1	?	0	res	--s	fst	0	#	0	0	1	2
Martial Arts		▼	?	Y	#	res	?	fst	0	#	0	#	1	2
Motocross	9	▲	1	?	0	res	s-s	fst	0	0	0	0	1	2
Mud Bogging	Y	▲	2	?	0	res	s-s	fst	0	0	0	0	1	2
Pole Bending	Y	▲	1	?	0	res	?	fst	0	0	0	0	1	2
Process control		▼	?	Y	#	no	s-s	fst	0	#	#	#	1	2
Ranch Sorting	3	▲		Y	0	res	s-s	fst	0	0	0	0	1	2
Roller sports	9	▲	1	?	0	res	s-s	fst	0	0	0	0	1	2
Segment times	8	▲	#	?	0	res	s-s	fst	0	0	#	0	#	#
Skiing	10	▲	2	?	0	res	s-s	fst	0	0	0	0	1	2
Snowmobile	Y	▲	2	?	0	res	s-s	fst	0	0	0	0	1	2
Soccer	Y	▲		?	0	res	s-s	fst	0	0	0	0	1	2
Solo II	9	▲	1	?	0	res	s-s	fst	0	0	0	0	1	2
Splits	7	?	?	?	0	res	?	fst	0	0	#	0	#	#
Sprints	Y	▲	2	?	0	res	s-s	fst	0	0	0	0	1	2
Team Penning	Y	▲	1	Y	0	res	s-s	fst	0	0	0	0	60s	2
Team Roping	2	▲	1	Y	0	res	s-s	fst	0	0	0	0	1	2
Timeout	13	▼	?	Y	#	res	--s	slo	0	#	#	#	1	2
Track	Y	▲	2	?	0	res	s-s	fst	0	0	0	0	1	2

## NOTES:

- |   |                                  |    |  |
|---|----------------------------------|----|--|
| 1 | 2 min. round amateur             | 9  | Use 1 or 2 Beams                               |
| 2 | Use manual barrier               | 10 | Extended wireless range may be required        |
| 3 | 60 or 90 sec.                    | 11 | Use Splits and mult. Beams for segment timing. |
| 4 | Set Train and Rest times         | 12 | Low Profile Beams available                    |
| 5 | 120 or 150 sec. timeout          | 13 | Can be set for 1-time or repeat                |
| 6 | Use 2 Splits to recover          |    |  |
| 7 | 2, 5 sec. or <u>hold</u> display |    |  |
| 8 | Multiple Beams req'd.            |    |  |

## APPENDIX 2

### *Wireless PC Interface for the Sport Timer 3000*

**Interface unit, USB port cable to PC,  
Pawsoft interface software, 30 day free trial copy**

### **Installation and Operating Manual Version 1**



(shown connected to PC laptop and Excel spreadsheet, not included)

**Software Distributed By:**  
**THUNDERPAWS Racing Equipment**  
P.O. Box 3033  
Leslie, MO 63056  
573-484-0030  
support@raceqp.com  
www.raceqp.com

# Wireless PC Interface

**Receives wireless time data from the Sport Timer 3000 and sends to a USB port on a Windows PC or laptop.**

Thank you for purchasing the PC Interface. Now you can get times instantly and accurately recorded on your PC. Connects to any USB data port, self-contained, powered by the USB port, includes internal antenna for long range wireless communication with the Sport Timer Controller. Makes your timing and scoring easy and error-free. Please check the shipping box to make sure all components on your order were received undamaged:

Wireless PC Interface unit, USB cable, CD with software and drivers.

**NOTE: This Free Trial Version Software is fully functional for a period of 30 days from the date of the original installation. It must be licensed after that to continue to function.**

## **GETTING STARTED WITH THE INSTALLATION:**

### **Hardware Installation**

Insert the small end of the supplied USB cable into the socket in the end of the PC Interface unit. Insert the large end of the cable into an unused USB port of your Windows PC or laptop. Start up your computer and open your favorite word processor, notepad or spreadsheet application where the times will be written.

### **Software**

USB Virtual COM Port software drivers are included for Windows versions from XP(SP2) through Windows 8. Also included, Pawsoft Interface software that “types” the times received by the Interface wherever the PC cursor is placed.

You can also download the Windows Installation program, including driver installation, at: <http://www.raceqp.com/download/PAWsetup.zip>

**Technical Note:** Any software program can be used on any operating system to receive the raw data from the Interface at a USB port, as long as the appropriate USB Virtual COM Port driver is installed. Go to <http://www.ftdichip.com/FTDrivers.htm> if you need a different driver for your operating system and/or software. The Windows driver is on the CD. Contact us for information about our open-source data format.

### **Windows Installation**

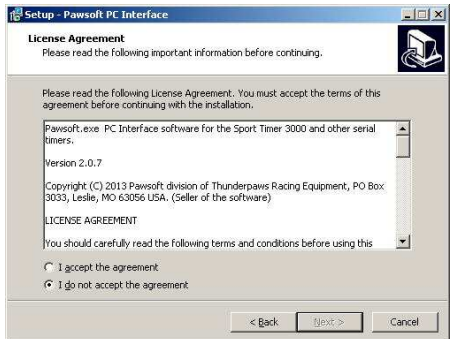
Insert the Installation CD and the installation should start up automatically. If it does not start by itself, go to the CD in Explorer and double-click the **setup.exe** file to start the installation. If you have the downloaded/zipped version, unzip the download into a convenient folder and double-click the **setup.exe** file to start the installation.

Follow these examples in order below to proceed through the installation:

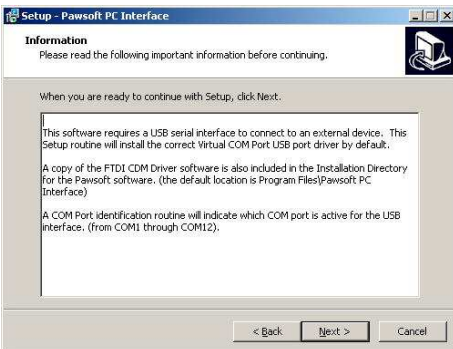
# 1. Choose your language for installation



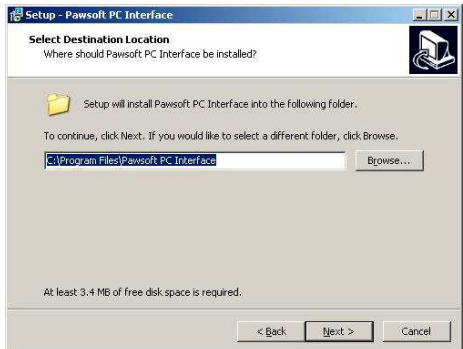
# 2. The Welcome screen and Accept Agreement



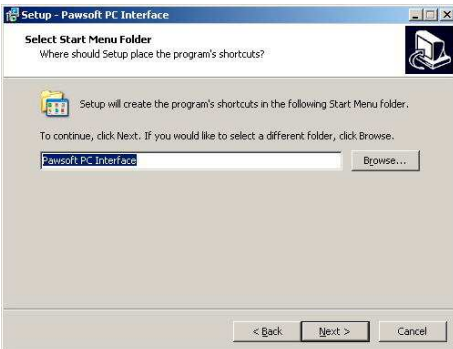
# 3. USB and COM Ports



# 4. Select destination folder



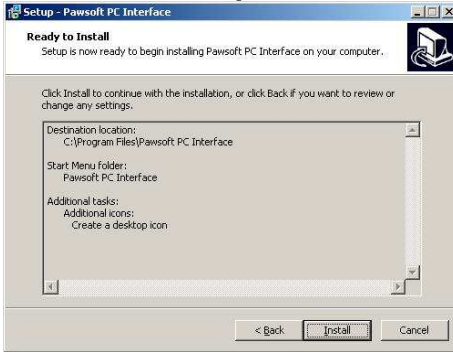
# 5. Select Start Menu folder



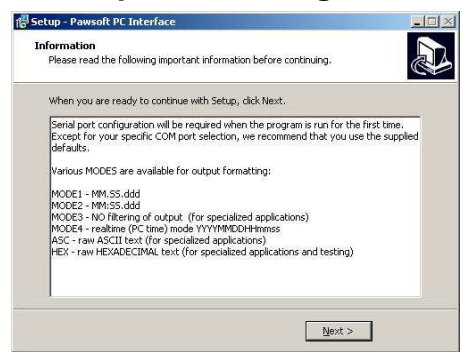
# 6. Create Desktop Icon



## 7. Installation parameters



## 8. Output formatting MODES



## 9. Complete software installation.....10. Install driver



## 11. Show Port Number - Make a note of this.



Software and driver Installation is now complete.

## PAWSOFT SOFTWARE CONFIGURATION

Now you are ready to set up your application.

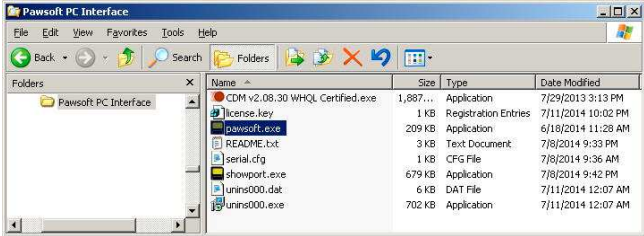
**NOTE:** This Free Trial Version is fully functional for a period of 30 days from the date of the original installation. It must be licensed after that to continue to function.

## STARTUP

Double-click the Pawsoft PC Interface icon on your desktop or RUN the pawsoft.exe application from the installation directory.



CLICK THE ICON:



Or RUN THIS:

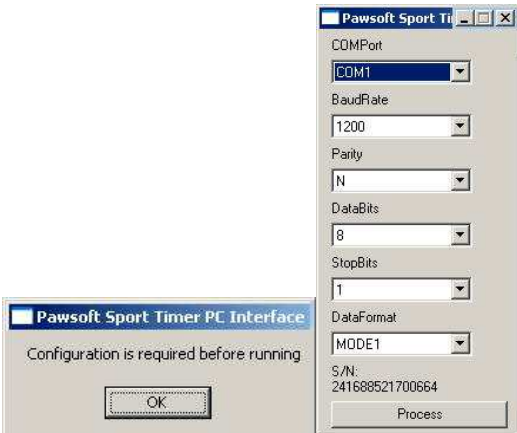
And you will see this Startup Screen:



**NOTE:** If the software has not been licensed for Unlimited Use it will cease to function after the Expiration date shown.

## CONFIGURATION

Since this is the first time the software has been run, the configuration settings must be entered. You will normally be required to do this only once.



## COMPort

Drop down and Select the COM Port that was shown during Installation  
BaudRate, Parity, DataBits and StopBits

Should be left as they are set unless you are supporting a special or custom application.

## DataFormat

The format of the data sent to your PC can be changed to provide the proper format for your application or software. Please contact us if you have any questions about which format to choose.

MINUTES = mm      SECONDS = ss      DECIMAL SECONDS = ddd  
YEAR = YYYY      MONTH = MM      DAY = DD      HOUR = HH

**MODE1** Times shown as sss.ddd (each minute = 60 seconds)

**MODE2** Times shown as mm:ss.ddd

**MODE3** Times exactly as displayed on the Sport Timer

**MODE4** Realtime MODE – YYYYMMDDHHmmss.ddd

**ASC** Raw ASCII text mode. For specialized applications

**HEX** Raw Hexadecimal mode. For specialized applications

**S/N** The unique Serial Number for your Pawsoft Software. You need this to obtain a license key for Unlimited Use.

Press the PROCESS button when you are finished.

## PAWSOFT SOFTWARE OPERATION

Now you are ready to run up your application.

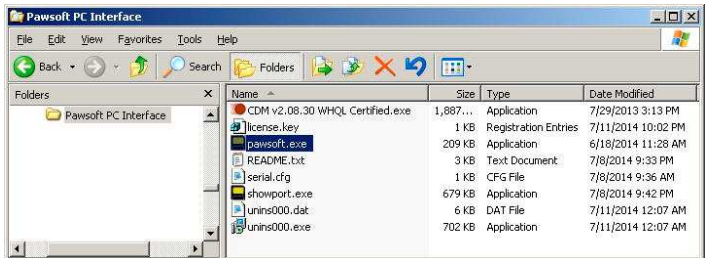
Make sure the USB cable is plugged in

### STARTUP

Double-click the Pawsoft PC Interface icon on your desktop or RUN the pawsoft.exe application from the installation directory.



**CLICK THE ICON:**



**Or RUN THIS:**



## And you will see this Startup Screen (click OK):



## COM Port test (click OK):



## Cursor location select(click OK):



## Receiving times from the Sport Timer

ANY Windows application will accept the times sent by the Sport Timer PC Interface at the location of the Windows cursor. For example:

- WORD PROCESSOR - TEXT PROCESSOR - SPREADSHEET
- DATABASE - EVENT MANAGEMENT SOFTWARE (CharlyHorse, etc.)
- 

1. Start the Pawssoft software application
2. Click the cursor where you want times to be inserted.
3. Times from the Sport Timer will be "typed" at the cursor location as they come in wirelessly from the PC Interface.
4. In any MODE except HEX, the cursor will move to the next line or the next cell after inserting a time

## Shutdown Pawssoft software

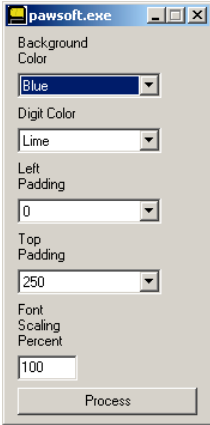
Press CTRL F1 to shutdown Pawssoft software:



Or, unplug the USB cable.

## **Full-Screen Mode**

Press CTRL F9. Configuration Menu will come up if it has not been run before.



- Select Background and Text colors from dropdown
- Left Padding positions text from the Left edge
- Top Padding positions text from the Top edge
- Font Scaling changes the text font size
- Press “Process” to go to Full Screen Mode.

## **ADDITIONAL FUNCTIONS WHILE THE SOFTWARE IS RUNNING**

Press CTRL F1 to Shutdown

Press CTRL F9 for Full-Screen Mode

Press CTRL F10 to re-run Serial Port Configuration

Press CTRL F4 to enter your License Key for Unlimited Use.

## **PAWSOFT SOFTWARE UNLIMITED USE LICENSE**

This Free Trial Version Software is fully functional for a period of 30 days from the date of the original installation. A License Key must be purchased after that to continue to function.

You will need your 15-digit Serial Number from the Startup screen to obtain the correct License Key.

Go to <http://www.raceqp.com/PAWlicense.html>

To purchase your Unlimited Use License online for \$49.95. Payment by any major credit or debit card or your PayPal account.

You can also contact us at: [thunderpaws@raceqp.com](mailto:thunderpaws@raceqp.com) or: 573-484-0030 to purchase an Unlimited Use License.

1. Start the Pawsoft application as normal
2. Press CTRL F4 for License Key Screen



3. Carefully enter your 15-digit License Key
4. Enter your name as Registered Owner/ Press the PROCESS button  
If your software has already expired, you will be taken to the License Key entry screen when you start it up.

## **TECHNICAL SUPPORT**

For Technical Support scan here for FAQs and a list of Instructional Videos, or go to:  
<http://www.raceqp.com/olhelp01.html>



## RECORD OF PURCHASE

The Controller, Display and Beams (Transmitter and Receiver) are fully warranted to the original purchaser against any defects or workmanship for one year from the date of purchase from an approved Dealer. This warranty does not cover physical damage & will be voided if any attempt has been made to remove the sealed covers on the Display or Beams (Transmitter and Receiver). It is not necessary to register your warranty, your receipt from the reseller will be considered the start date of your warranty.

Display Serial Number \_\_\_\_\_  
Purchase Date \_\_\_\_\_  
Purchased from: \_\_\_\_\_  
Dealer \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State/Prov. \_\_\_\_\_ Zip/PC \_\_\_\_\_

Should our products require service and to assure prompt repair, please call our Toll Free Support Line for instructions and if instructed, package the unit in a secure container with proof of purchase.

Outside of Canada mark the container "**CANADIAN GOODS RETURNING FOR REPAIR**" in **plain view**, and return the defective unit postage paid to:

**R. U. READY Electronics Ltd.**  
P.O. Box 10  
Inverary, Ontario,  
Canada, K0H 1X0  
Phone 613-353-1911  
Fax 613-353-2003

**Your Dealer is NOT equipped to support our Products  
For Technical Support or Repairs  
Please Call Toll Free  
1- 877- 84 SPEED (77333)**

Except as provided herein, we make no express warranties and any implied warranty of merchantability or fitness for a particular purpose is limited in its duration to the duration of the written warranty set forth herein.

Except as provided herein, we shall have no liability or responsibility to the purchaser or any other person or entity with respect to any liability, loss or damages caused or alleged to be directly or indirectly by use of this product, including, but not limited to, any incidental or consequential damages.

Some states or countries do not allow the limitation or exclusion of incidental or consequential damages or limitations on the length of implied warranties; therefore, the aforesaid limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights, which vary from state to state.

**LEFT BLANK FOR FUTURE UPGRADES**

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