



1.0
IST'S SWIMSTART

The SWIMSTART Electronic Start System provides a portable PA, tone and 360° strobe start signals, and a recall tone in a compact case. The unit may be used stand-alone, or may be interfaced to IST's SWIMWARE Timing System or other popular timing systems. No-tip feet allow the unit to be placed directly on the deck, or it may be strapped to the backstroke flag pole with latching straps included with each unit. The optional SWIMSTART Remote Start allows hands-free operation for officials and coaches.

1.1
Assembling the SWIMSTART

When you unpack the SWIMSTART, you should have the following pieces:

- SWIMSTART base unit
- 40 watt speaker
- Microphone
- Power cord with wall transformer
- SWIMSTART Operating Instructions

If any of these items are missing, call 800/835-2611 for replacements. We suggest you retain the packing material in case it is necessary to return the unit for any reason.

To assemble the SWIMSTART, loosen the large wing nut on the 40 watt speaker. With the wing nut pointing down and opening of the speaker horn facing forward, slide the U-shaped bracket over the over the matching mounting device on the right side of the SWIMSTART. Tighten the wing nut. Now loosen the large phillips screw at the back (small end) of the speaker. Rotate the speaker on its base until the long edges of the speaker horn are vertical. The speaker can now be left on the SWIMSTART base unit.

The cord on the speaker should extend out the bottom of the horn. The banana plug at the end of this cord has a small tab on one side marked GND (ground). Connect the banana plug to the top socket under the speaker with the GND tab in the black hole. The lower socket is available to plug in auxiliary speaker(s), if needed.

The microphone connects on the left side of the SWIMSTART base unit. The microphone plug and socket are "keyed", so check the alignment of the keys before plugging it in. When the plug is secure in the socket, screw down the locking ring to prevent the microphone from accidental disconnection. Hang the microphone on the clip on the left side of the SWIMSTART base unit when it is not in use.

The power cord, used for charging the SWIMSTART unit, also plugs into the left side of the base unit. It is possible to use the SWIMSTART while it is plugged into a **GFI** wall outlet, but it is not recommended. Electrical "noise" will probably be broadcast through the speaker in this situation.

1.2
Charging the SWIMSTART

The battery operated SWIMSTART will run for 12 to 14 hours on a full charge. The SWIMSTART will be shipped partially charged, but **we recommend that you charge it overnight before using it for the first time. It is not necessary to let the battery run down before recharging. To maintain maximum battery life, charge the SWIMSTART overnight after every use.**

To charge the SWIMSTART turn it off and plug the transformer supplied with the unit into the connector near the switch and into a 110v wall outlet. The light under the switch will be red when the unit is charging. When the light is flashing or off, the unit is fully charged.

It will not harm the batteries to leave the SWIMSTART charging longer than the required time. If you wish, you can use the SWIMSTART for a practice or meet, then leave it charging until its needed

again. The batteries used in the SWIMSTART do not have a memory, so there is no danger of over- or under-charging them.

You may also use SWIMSTART with the transformer plugged in to a **GFI** outlet, but it is not recommended. Electrical "noise" will probably be broadcast through the speaker in this situation. The unit will continue to charge, but will require more time that if it was not in use.

1.3 Using SWIMSTART Freestanding

If you are not connecting the SWIMSTART to a timing system, simply place the unit in a convenient location on the deck or attach to a pole with the latching straps on the back of the unit. Flip the "rocker" type switch that will return to its original position after being pressed. When the unit is on, the light under the switch will be green.

1.4 Connecting SWIMSTART to a Timing System

Before connecting your SWIMSTART to a timing system, you must first determine if your timing console requires a "normally-open" or "normally-closed" connection. IST's SWIMWARE System uses a "normally-open" connection, as do Colorado and Daktronics. Omega uses "normally-closed". On the left side of the SWIMSTART base unit, there is a 3-hole socket marked "NO" for normally-open on one side and "NC" for normally-closed on the other. Connect the banana plug on the cable from your timing system into the appropriate side, with the GND tab in the center black hole marked "common". A rubber plug is included for the unused hole. Place the unit in a convenient location on the deck or attach to a pole with the latching straps on the back of the unit. Flip the "rocker" type switch that will return to its original position after being pressed. When the unit is on, the light under the switch will be green.

2.0 USING YOUR SWIMSTART

To use the public address function, depress the bar switch on the side of the microphone. Adjust the volume of the PA with the knob on the left side of the SWIMSTART base unit. To avoid feedback, the user should not stand near the front of the speaker on the SWIMSTART.

To activate the start tone and strobe, depress and hold the bar switch on the side of the microphone as if using the PA, and press the small button on the top of the microphone. The tone will sound until the button is released.

To activate the recall tone, press the small button on the microphone as described above, but do not release it. After a three second continuous tone, a repeating tone will sound as long as the button is depressed.

When you are finished using the SWIMSTART, be sure to turn it off, checking that the power light under the switch is off. Leaving the unit on will drain the battery. We suggest you store the SWIMSTART plugged into a **GFI** wall outlet so it will be fully charged when next needed.

3.0 STORING THE SWIMSTART

To store the SWIMSTART during the off-season, fully charge the battery and disconnect it from the wall transformer. Remove water spots from the surface with glass cleaner and a soft cloth. Before using the SWIMSTART after a storage period of a month or more, be sure to charge it again.

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International Sports Timing Product Warranty

The limited warranty set forth below is given by **International Sports Timing**, division of Industrial Service Technology, Inc. ("Company") with respect to **SCOREBOARD, Computer Interface (included with SWIMWARE, TIMEWARE or MEETWARE Software), POLOWARE Interface (included with POLOWARE Software), SWIMCLOCK, SWIMCOUNT, SHOTCLOCK, SWIMSTART, SWIMSTART Remote Start, Backup Button and On-Deck Cable** products ("Products"). (NOTE: **In-deck wiring and all related deck plates, wall plates and wiring are NOT included in this warranty. See separate warranty statement.**)

Products, when delivered to you in new condition in their original containers, are warranted against defects in materials or workmanship as follows: for a period of **five (5) years** from the date of original purchase, defective Products returned to the Company and proven to be defective upon inspection, will be repaired or exchanged for new or comparable rebuilt Products, as determined by the Company. **Twelve (12) Volt Batteries** (Batteries) used in some Products are warranted against defects in materials or workmanship for a period of **two (2) years** from the date of original purchase, during which period defective Batteries in Products returned to the company and proven to be defective upon inspection will be replaced by the Company. If the Batteries prove to be defective during the remaining three (3) years of the Product warranty, the Company will replace the Batteries for such cost as the Company may generally establish from time to time.

This limited warranty covers all defects encountered in normal use of the Products, and does not apply in the following cases:

1. Loss of or damage to the Products due to abuse, mishandling, improper packaging by you, alteration, accident, electrical current fluctuations, failure to follow operating, maintenance or environmental instructions prescribed in the Company's instruction manual, or service performed by other than the Company
2. Use of parts or supplies (other than those sold by the Company) which cause damage to the Product or cause abnormally frequent service problems.
3. If any Product has had its serial number or dating altered or removed.

The Company makes no express, implied or statutory warranties (including any warranty of merchantability or of fitness for a particular purpose) with respect to any goods or services sold by the Company. The Company disclaims and Buyer agrees that there are no warranties arising from any course of dealing or trade usage or warranties implied by custom or usage in the trades of the Buyer and of the Company, and that any prior dealings of the Buyer with the Company do not imply that the Company warrants the goods or services in any way.

Any buyer of Products from the Company agrees with the Company that the sole and exclusive remedies for breach of any warranty concerning the goods or services shall be for the Company, at its option, to repair or replace the Products or refund the purchase price. In no event shall Company be liable for any consequential or incidental damages even if the Company fails in any attempt to remedy defects in the Products, but in such case the Buyer shall be entitled to no more than a refund of all money paid to the Company by the Buyer for purchase of all Products. Any cause of action for breach of any warranty by the Company shall be barred unless the Company

receives from the Buyer a written notice of the alleged defect or breach within ninety (90) days from the earliest date on which the buyer could reasonably have discovered the alleged defect or breach, and no action for the breach of any warranty shall be commenced by the buyer later than twelve months from the earliest date on which the buyer could reasonably have discovered the alleged defect or breach. The warranty herein extends to the original Buyer only and not to Buyer's customers or the users of Buyer's products. This warranty shall not apply if the Product has been subjected to alteration, misuse, accident, neglect or improper application, installation or operation.

Warranty Service

In order to obtain warranty service, call the Company at 800/835-2611 from Monday to Friday 9:00AM to 5:00PM Eastern Time (excluding holidays). A Company technician will attempt to diagnose the nature of the Product problem and correct it over the telephone. If the problem cannot be corrected over the telephone, you will be given a Return Material Authorization (RMA) Number, and directed to ship the Product to the Company, to the attention of the RMA number. The Company technician may direct you to return only certain components of the Product that require repair or replacement. It is your responsibility to **properly** package and send the Product together with a complete explanation of the problem to the Company at your cost. Products covered by this limited warranty will be repaired or replaced and returned to you without charge by the Company. Repairs not covered under this limited warranty will be charged to you at such cost as the Company may generally establish from time to time.

Exchange Service

Exchange Service is a program that expedites the exchange of a non-working product with a refurbished Product, when available. The refurbished Product you receive will be covered by the balance of the period remaining on your original limited warranty. **NOTE THAT BY USING THIS SERVICE YOU WILL KEEP THE REPLACEMENT PRODUCT THAT IS SENT TO YOU AND THE COMPANY WILL NOT RETURN TO YOU THE NON-WORKING PRODUCT THAT YOU ORIGINALLY PURCHASED, WHICH SHALL BECOME THE PROPERTY OF THE COMPANY.**

If you elect Exchange Service and a refurbished Product is available, you will be issued a Return Material Authorization (RMA) Exchange number, and directed to ship the Product to the Company, to the attention of the RMA number. You will be asked for information pertaining to your non-working Product and for a ship-to location for the replacement Product (street address only--no P.O. Boxes). The Company technician may direct you to return only certain components of the Product that require replacement. It is your responsibility to **properly** package and send the Product together with a complete explanation of the problem to the Company at your cost. The replacement Product will be sent to you at no charge by the Company. You must also agree that you will be billed an amount up to the cost of a new Product if (1) you do not return the non-working Product to the Company within thirty (30) days of receiving the RMA Exchange Number; (2) the defects in the non-working Product are not covered by this limited warranty; or (3) the warranty period on the Product has expired or has not been sufficiently established by the Product's serial number, as registered by the company.