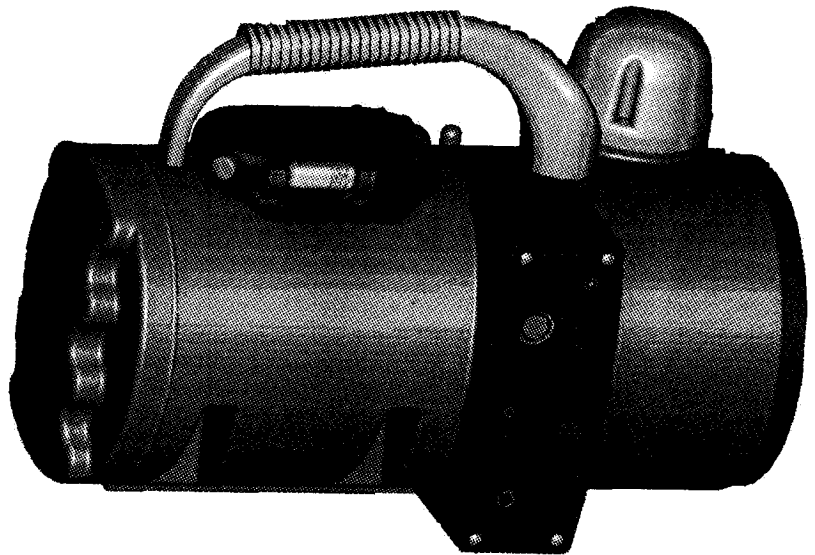


Infinity Start System Model INF-SS



Instruction Guide



F849 Rev.1198

For Information call:

Sales - U.S. and Canada: 1-800-279-0111

Service - U.S. and Canada: 1-800-CTS-0653

Sales and Service outside U.S. and Canada: 970-667-1000

Fax: 970-667-0988

or write:

Colorado Time Systems, Inc.

1551 East 11th Street

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INF-SS Specifications

Environmental	Temperature: 0°C - 50°C Humidity: 90% (non-condensing) Altitude: 0 to 3000 m
FCC Information	Tranmitter/Wireless Microphone FCC ID: JQR0002 <p>This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:</p> <ol style="list-style-type: none">1. Reorient or relocate the receiving antenna.2. Increase the separation between the equipment and receiver.3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.4. Consult the manufacturer for help. <p>This equipment has been certified to comply with the limits for a class B computing device, pursuant to FCC Rules. In order to maintain compliance with FCC regulations, shielded cables must be used with this equipment. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio and TV reception. The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user's authority to operate this equipment.</p> <p>This device complies with Part 15 of the FCC Rules. Operation is subject to the following conditions:</p> <ol style="list-style-type: none">(1) This device may not cause harmful interference, and(2) this device must accept any interference received, including interference that may cause undesired operation.
Electrical, Base Unit	DC Supply: 18 VDC @ 1.2A, The 18 V power adapter is used for recharging only.
Batteries	Type: One 12 V Gel Cell Operating Time: 8 hours of normal use Recharge Time: 8 hours
Fuses	Battery - 5A Time Lag, 5mm x 20mm
Electrical, Wireless Microphone Batteries	Type: One 9 V Alkaline Operating Time: 40 hours of normal use

**Input and Output
Connections**

Microphone Port: Input - 5V
External Charging Power: Input - 18 VDC @ 1.2A
Speaker Port: Output - 18 VAC @ 5A max.
Start Port: Output - Isolated relay contacts





Installation/Maintenance

This product is intended to be used in an indoor or outdoor swimming pool environment. When it is operated in the US it must be used in accordance with the National Electric Code. When it is operated elsewhere it must be used in accordance with all applicable national and local codes and regulations.

When charging, the INF-SS Start System power supply must be used with a grounded outlet.

Using the INF-SS Start System in a manner not specified by Colorado Time Systems may cause the protection provided by the equipment to be impaired. Other than those maintenance items described in the INF-SS user manual, there are no user serviceable parts on the INF-SS Start System. When servicing those parts shown in the user manual, use only replacement parts specified.

Symbols

Direct Current 	Fuse (Time Lag) 
On (Supply) 	Off (Supply) 

Introduction

Dear Customer:

Thank you for purchasing Colorado Time Systems' Infinity start system (INF-SS). Its multi-purpose design makes the INF-SS perfect for use as an electronic start system or a limited public address system. Instructions for all of these applications are included in this manual.

Receiving Your Equipment

When you receive your Colorado Time Systems' equipment, follow these steps:

- 1) Open all shipping boxes.

Note: We recommend that you save all shipping boxes and packing material. You are responsible for damage to your equipment if an item is returned improperly packed.

- 2) Check all concealed damage immediately upon receipt of equipment. Report any damage directly to the freight carrier.

- 3) Use the Packing List included with the shipment to take an inventory of all items. If you believe one or more parts to be missing, contact our Customer Service Department immediately at 1-800-CTS-0653 in the U.S. and Canada, or at 970-667-1000.

- 4) The antennae is shipped separately from the main unit. Gently screw in the antennae to the right side of the unit opposite the connector panel.

Scope of this Instruction Guide

This instruction guide addresses all issues related to the installation and normal operation of your new Infinity start system. A complete maintenance and troubleshooting section covers the most common problems that are user correctable. For any repairs or problems not found in this instruction guide, call Colorado Time Systems' Customer Service Department toll-free at 1-800-CTS-0653 (U.S. and Canada) or 970-667-1000.

Infinity Start System Features

Your new Infinity start system contains a number of advanced features which make it versatile and easy to use. Each Infinity start system has a built-in 12 VDC rechargeable battery and external battery charge indicator.

Note: Your Infinity Start System can be operated only from battery power, keeping AC power away from the pool deck and eliminating the possibility of electric shock.

With its optional multiple speaker configurations and built-in strobe light, the Infinity is a powerful start system. Using speakers mounted under the starting blocks to start your swimmers provides the fairest start and accustoms your swimmers to the kind of start system used at most championship meets. The INF-SS also includes a recall signal feature and a wireless microphone.

The Infinity Start System also serves as a limited public address system, allowing you to make announcements to your swimmers at practice and to the swimmers and spectators at a meet. No need to run to the announcer's booth—with an INF-SS, the wireless microphone is always handy. The built-in microphone clip located under the INF-SS handle, keeps the microphone out of the way when you are not using it, protecting the microphone from accidental drops and potential damage.

Add to these features the peace of mind you get from knowing the Colorado Time Systems stands behind you with over twenty-five years of expertise in designing and building accurate, reliable and innovative products. A five year warranty ensures long-term reliability. Ease of operation, low maintenance and superior customer service make the Infinity Start System the obvious choice.

Optional Equipment

The following optional equipment is available for use with your Infinity Start System. Call your Colorado Time Systems' sales representative at 1-800-279-0111 (U.S. and Canada) or Customer Service at 1-800-CTS-0653 (U.S. and Canada) or 970-667-1000 to place an order.

- ☐ INF-TR Tripod: disassembles easily for storage. Adjustable height. Portable.
- ☐ INF-SP125: 40-watt speaker with 125-foot cable for far lane speaker mounting.
- ☐ INF-SMK1: Speaker mounting kit for backstroke flag post.
- ☐ INF-SP200: 40-watt speaker with 200-foot cable.
- ☐ INF-SP4: 40-watt speaker with 6-foot cable.
- ☐ INF-SP6: 6-watt speaker with 6-foot cable.
- ☐ INF-XSTB: External strobe light.
- ☐ INF-MIC: Replacement wireless microphone.
- ☐ INF-M50 or M25: Wired extension microphone with 50' or 25' cable.
- ☐ LS40-6: Six-lane cable harness with speaker inputs.
- ☐ LS40-10: Ten-lane cable harness with speaker inputs.
- ☐ INF-SJ50M: 50 meter start jumper cable for electronic timer.
- ☐ INF-SJ25: 25-foot start jumper cable for electronic timer.

Products Covered

This instruction guide is applicable to the following model numbers:

- ☐ Model INF-SS-- Start system with one 40-watt speaker.
- ☐ Model INF-SS2 -- Start system with two 40-watt speakers.
- ☐ Model INF-SS6 -- Start system with six additional 6-watt speakers.
- ☐ Model INF-SS8 -- Start system with eight additional 6-watt speakers.
- ☐ Model INF-SS10 -- Start system with ten additional 6-watt speakers.

INF-SS Specifications

General

These specifications cover the following INF-SS models:

Model INF-SS: Loudspeaker Start System consisting of a start module with one wireless microphone, built-in strobe, one 40-watt corrosion-resistant speaker, an internal gel-cell battery, battery charger wall brick and instruction guide.

Model INF-SS2: Adds a second 40-watt speaker with 125-foot cable.

Model INF-SS6: Adds to Model INF-SS, six 6-watt speakers and LS40-6 six-lane speaker cable harness.

Model INF-SS8: Adds to Model INF-SS, eight 6-watt speakers and LS40-8 eight-lane speaker cable harness.

Model INF-SS10: Adds to Model INF-SS, ten 6-watt speakers and LS40-10 ten-lane speaker cable harness.

Physical

Height: 7.75 inches
Width: 13.25 inches
Depth: 7.25 inches
Weight: 12 lbs

Mounting Options

Place the INF-SS module on a tabletop, deck or use the TR-2 model tripod with its mounting bracket. Tripod module TR-2 is optional.

Functions

Public address system to address swimmers and spectators. A 0.5 second dual tone electronic blast with simultaneous strobe flash. False start recall: repeating dual tone. Wireless operator's microphone.

Wireless Microphone

Single wireless microphone used to address swimmers, start the race and recall in the event of a false start. Microphone rest is located under the start system's handle.

Speakers

Model INF-SS includes one 40-watt, 8 ohm moisture and corrosion resistant reflex speaker. Additional speakers are available. Due to the wide variety of starting block types and various applications, permanent installation of speakers is the customer's responsibility.

Strobe Light

Bright 360° strobe light automatically flashes simultaneously when horn sounds. Gives watch timers/officials a reliable start reference; provides fair starts to hearing-impaired athletes.

Battery Power

Safe, reliable internal gel-cell battery with external charger and battery life indicator. The INF-SS will not operate while plugged in to AC power.

Note: Do not change the internal battery near water. Bring unit to a dry location before removing internal battery.

Expandable

For fairer starts, add an extra speaker with 125-foot cable for far lane starting—Model INF-SP125. Mount the INF-SP125 speaker to the back-stroke flag pole using the optional INF-SMK1 mounting kit. You can also add speakers for each starting block up to a total of 10 speakers. Add one additional wireless microphone for referee on far side of pool or officials at the timing table. A plug in microphone can also be used.

Practicality

Interfaces to all Colorado Time Systems' electronic timers using optional start jumper cable, Model INF-SJ25 (25-foot cable) or Model INF-SJ50M (50 meter cable).

Warranty

Five year limited warranty standard; Refer to the standard warranty terms beginning on page 5-1.

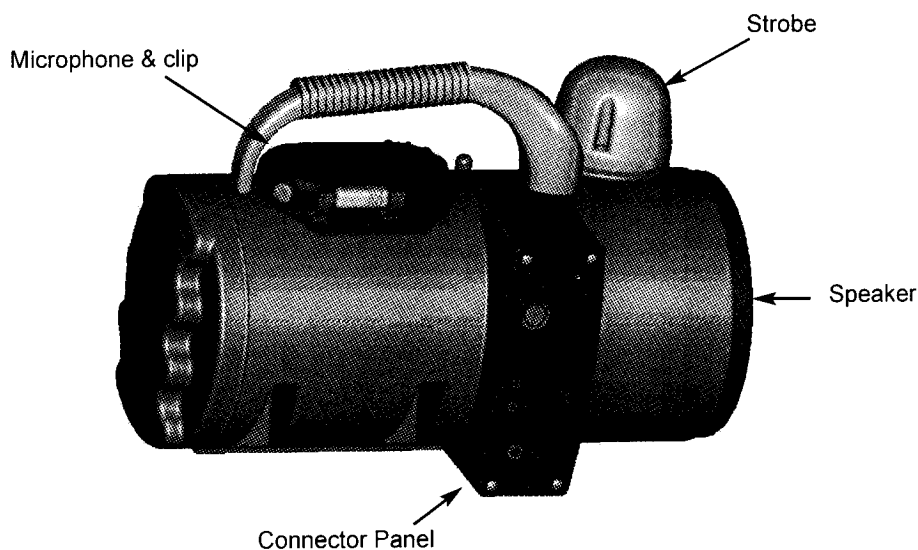


Figure A: Infinity Start System Components

Setup

This chapter contains instructions for setting up your INF-SS Electronic Start System. With the many options available for use with your INF-SS, you can build a start system which satisfies all your meet and practice requirements. The instructions in this chapter cover standard INF-SS configurations. Your start system configuration may vary depending on specific requirements and optional equipment purchased.

General Guidelines

Select an appropriate location for your start system module—usually the scorer's table. Using the optional TR-2 tripod gives you greater freedom to place your INF-SS in the most convenient location.

Important: *When installing your start system in a pool area, additional precautions must be observed. Always place the start system module in a location where there is no chance that it could fall into the pool.*

If you have purchased a system which includes multiple speakers, the locations for the INF-SS available to you will be limited by the location of the speaker cable harness.

Note: *Attach only the CTS-approved Infinity speaker cable harness to the speaker connector on your INF-SS connection panel. Attaching any other type of speakers to the INF-SS can cause your start system to fail.*

When using the internal strobe light, the start system module should be positioned so that officials and spectators can start their watches from the strobe, improving the accuracy of watch starts.

Connect your speaker(s) to the INF-SS module connector panel as shown in Figure C.

Using your INF-SS with an Electronic Timer

If you are using your INF-SS with an electronic sports timer, such as Colorado Time Systems' System 5 Sports Timer, connect the timer start cable from the cable harness of your electronic timer (or deck plate if you have in-deck wiring) to the Start input on your INF-SS connection panel. The timer connection is internally set to Normally Open (N.O.) and can be used for all Colorado Time Systems' electronic timers. Users can not change this setting to accommodate timers that use the "Normally Closed" (N.C.) circuit (i.e. Omega timers). **Do not** try to operate the INF-SS with any other timer unless it has been customized by a Colorado Time

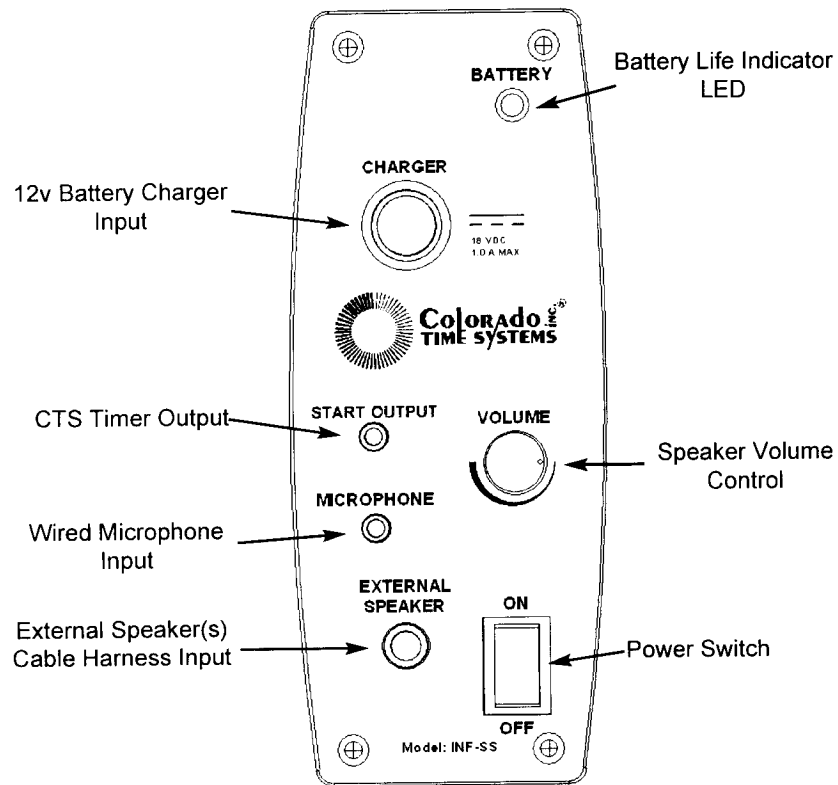


Figure B: INF-SS Connection Panel

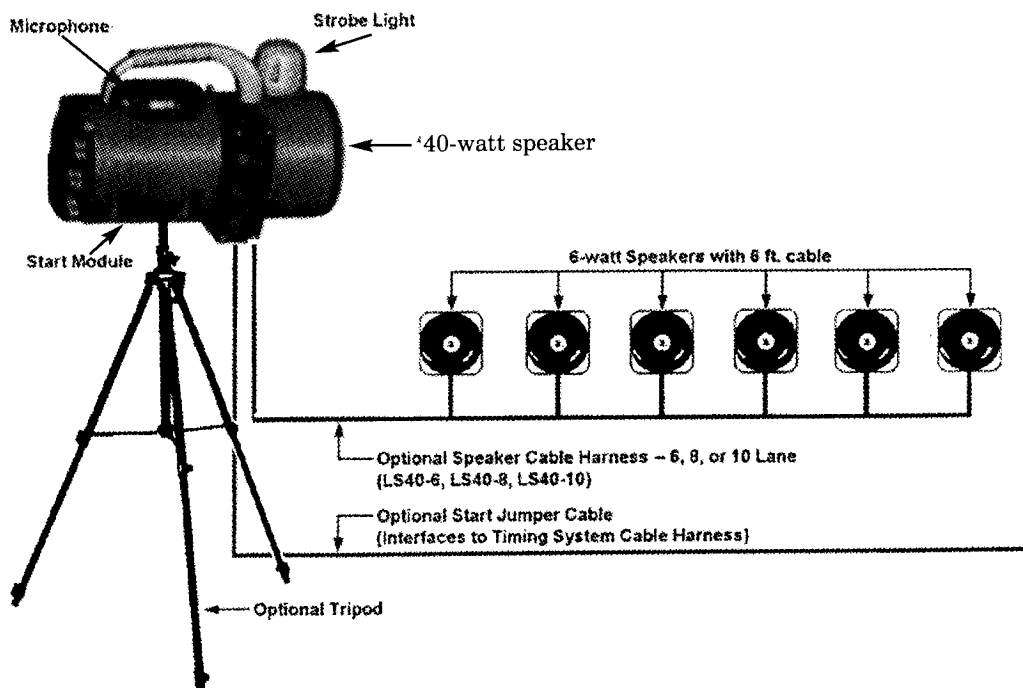


Figure C: Fully Assembled INF-SS6 System

Microphones

System's technician to function for a normally closed system.

One microphone jack is provided on the INF-SS connector panel. This gives you the option of connecting a backup wired starter's microphone.

Note: Your INF-SS electronic start system is designed for use only with factory-supplied microphones, both wireless and wired. For reliable operation, do not connect any other devices to the microphone input terminals.

INF-SS Assembly

A fully-assembled INF-SS Electronic Start System appears as shown in Figure C.

Your new INF-SS start system is designed to operate on its built-in 12 VDC power source. When the battery is fully charged, typical operation is one to two days, depending on usage. **Using the microphone as a public address system substantially reduces battery life.**

Battery Life Indicator LED

Green - fully charged

Yellow - needs charging

Red - almost out of power

Flashing yellow - charging

The INF-SS comes with an external battery life indicator LED on the connection panel. The LED will shine Green when the battery is fully charged. It will turn Yellow when the battery has 5-6 hours of use remaining. It is best to recharge the battery when the indicator turns yellow. The battery indicator will turn Red when only 1-2 hours remain of battery power. Finally, the indicator will flash on/off yellow when it is charging.

Your INF-SS will not operate if plugged into AC power for charging. It is therefore important that you **make sure the battery is fully charged before each day's swimming (the Battery Life indicator should be green)**. Pay attention to the battery life indicator and recharge your battery after each use, especially when the indicator turns yellow. The Battery Life indicator will blink yellow on/off when charging.

Battery Charging: Internal

The best time to recharge the internal battery is immediately after each day's use. To recharge the internal battery, remove the INF-SS from the pool area, plug the battery charger into a 115VAC grounded outlet. Under no circumstances should you attempt to circumvent the 3-prong grounding system built into the battery charger. Attach the cable from the battery charger to the **Charger** connector on the INF-SS Connection panel, shown in Figure A on page 2-2. Turn the power switch to the **Off** position to charge the battery. Keep the battery plugged in until the next use. **The battery will lose 20% of its power in two to three months if it is not left plugged in.**

*Note: Make sure the INF-SS power switch is in the **Off** position.*

On/Off Switch

To turn on your INF-SS start system, flip the power switch to the **On** position. The location of the power switch is shown in Figure B on page 2-2. Regardless of start or PA operation, INF-SS consumes power whenever it is turned on. Therefore, it is very important that you remember to flip the power switch to the **Off** position when your INF-SS is not in use. Failure to do so will result in a discharged battery after a few days. To prevent battery discharge, always remember to turn off the power switch and recharge the battery overnight as soon as possible after using your INF-SS.

The charging circuit in the INF-SS module prevents overcharging, allowing you to leave the battery charger plugged in for extended periods of time without damaging the battery or any other components. If you do not use your INF-SS for two or more months, recharge the battery before use. It is normal for rechargeable batteries to lose some power when not in use.

Setting Volume Control

With your INF-SS turned on, as explained above, rotate the volume control on the Connector Panel clockwise to increase the volume. Rotate the volume control counter-clockwise to decrease the volume. Test the volume level by using the microphone. The volume control on your INF-SS controls only the PA volume—start and recall tones always function at maximum volume.

Note: To avoid feedback noise, do not hold the microphone close to the speakers when testing the output volume.

Using Your INF-SS Electronic Start System

This chapter explains how to use the many features your INF-SS Electronic Start System offers.

Starter's Wireless Microphone

To use the starter's wireless microphone for public address, press the push-to-talk thumb switch located on the top right side of the microphone and speak into the grille on the front of the microphone. To start a race, hold down the push-to-talk thumb switch and press the start button on the top left side of the microphone. To recall a false start, hold down the push-to-talk switch and hold down the start button a second time. The recall must be made within five (5) seconds of the start pulse.

Note: The recall function will not work if more than one microphone is being used and both starters initiate the recall at the same time. Designate one starter to control recalls to avoid this situation. After five seconds, the INF-SS module resets and is ready to accept another start.

Microphone Rest

A convenient microphone rest is built into the INF-SS under its handle. When the microphone is not in use, make a habit of snapping the microphone on the rest as shown in Figure A. Using the microphone rest keeps the microphone out of the way and prevents accidental drops and potential damage.

Replacing the Microphone Battery

The wireless microphone operates from a standard 9 volt battery. To replace the battery, unscrew the standard hex screw and simply pull back on the battery panel and indicated in Figure D. Unsnap the battery connector and replace old battery with a new one. Press the new battery in place and slide the battery panel back into place. Reinstall the screw to hold the battery compartment in place.

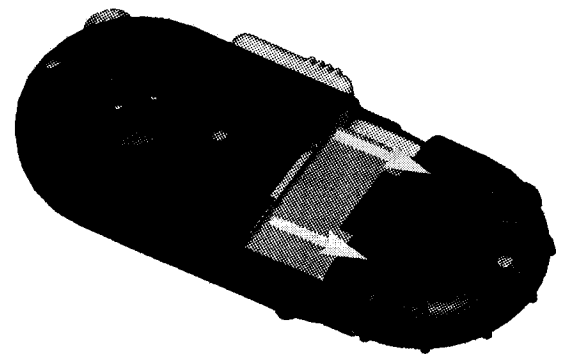


Figure D: Battery Replacement in the Wireless Microphone

Strobe Light

The strobe light flashes automatically whenever the start system receives a start pulse. Allow 30 seconds between strobe flashes for the strobe circuit to recharge. If the strobe circuit has not had time to recharge fully when your INF-SS receives another start pulse, the strobe light will not flash.

Timer Output

When properly connected to an electronic timing system, such as Colorado Time Systems' System 5 Sports Timer, the INF-SS automatically sends a start pulse to the timer whenever the wireless microphone start button or backup microphone start button is pressed. If your electronic timer does not start properly, check the start cable connections both at the timer cable harness (or deck plate) and at your INF-SS.

Operating Notes

Using your INF-SS electronic start system during training sessions is one of its most useful features. Swimmers will quickly become accustomed to electronic starting and will thereby improve their start reflexes.

Volume Control

The volume control on the INF-SS Connector Panel module affects only the PA volume. The start and recall tones always operate at full volume. If the start tone drops in volume or becomes longer, the battery is getting low and needs to be recharged. Check the Battery Life indicator LED to verify your battery's remaining power. Its different colors indicate:

Green - fully charged

Yellow - needs charging

Red - almost out of power

Flashing yellow - in charging mode

Strobe Light Usage

If coaches, parents and spectators attempt to start their stopwatches from the start tone, they will not get accurate starts. The relatively slow speed of sound, especially in the pool environment, generally results in late stopwatch starts for observers at any distance from the speakers. Educate your coaches, parents and spectators to use INF-SS's built-in strobe to trigger their stopwatch starts. The strobe flash is unaffected by poor acoustics and the fast speed of light ensures that all observers see the flash at the same time, resulting in more accurate stopwatch starts. The strobe also ensures fair starts for hearing-impaired athletes.

Maintenance and Troubleshooting

This chapter contains maintenance and troubleshooting information which helps you keep your INF-SS in good working order and helps you solve common problems quickly and easily.

Maintenance

Your new INF-SS electronic start system has been carefully designed to provide years of trouble-free service. No routine maintenance is necessary, but following a few simple steps will ensure that your INF-SS delivers the trouble-free service for which it was designed.

Battery

You can extend the useable life of the internal battery by always keeping it fully charged—never allow the battery to discharge completely. Leave the INF-SS plugged in when not in use and always make sure the power switch is in the Off position after every use. If the Battery Life indicator turns red, your battery needs immediate recharging.

Cable Harness

Do not allow your speakers, speaker connections, cable harness terminals and timer start cable connector to remain wet constantly. Colorado Time Systems uses the finest quality materials available for these items, but the pool environment is very harsh. The corrosive action of chemically-treated pool water will eventually corrode any connector exposed to it for long periods of time. Proper care and handling of cables can prevent damage.

Once a year, clean all female connector with a swab and silicone grease: use Compound III® by Down Corning® for best results. If connector are badly corroded, clean them with Lime-A-Way®, which is available at most supermarkets, before applying a small amount of silicone grease to the connector.

Storage

It is best to store your INF-SS in a cool, dry place after each use. Be sure to recharge the battery overnight and keep it charging before and during storage to make sure the INF-SS is ready for the next time you need it. Do not store your INF-SS in an area that becomes overly hot or cold. Try to keep it in a dry location that remains around 70-80 degrees F throughout the year.

In Case of Difficulty

Colorado Time Systems has taken great care to ensure that your INF-SS electronic start system provides years of trouble-free service. If, however, you should experience difficulties with your INF-SS, first attempt to locate and solve the problem using the Troubleshooting guide. Locate the problem you are experiencing and follow the remedies one at a time in the order presented, checking your INF-SS for proper operation between each recommended remedy.

Solving simple problems yourself will save you time and money. If the problem you are experiencing is not mentioned in the Troubleshooting guide or the recommended steps do not solve the problem, call Customer Service toll-free at 1-800-CTS-0653 (U.S. and Canada) or 970-667-1000 for assistance.

Troubleshooting

This section helps you solve common start system problems quickly. Locate the difficulty you are experiencing in the Symptom column and then follow the recommendations in the **Action** column one at a time, in the order they appear. If the problem you are experiencing is not listed or the recommended remedies do not have the desired effect, write a summary of the problem and all steps you have taken to correct it and call Colorado Time Systems' Customer Service Department toll-free at 1-800-CTS-0653 (U.S. and Canada) or 970-667-1000.

Symptom	Action	Notes
Nothing Works	1. Check power On/Off switch	If power switch is on, and the LED indicator is red, the batter is discharged.
	2. Recharge battery	See instructions on page 2-3.
	3. Check all connections on INF-SS Connector Panel.	See Figure B on page 2-2 for locations of these items.
	4. Check battery in the wireless microphone	The wireless microphone uses standard 9 volt batteries.
Battery will not charge	1. Check power AC outlet—use a lamp to check for power at outlet	
	2. Check charger connection on the INF-SS Connector Panel	See Figure B for location of this item. The Battery indicator should flash yellow when charging.
	3. Replace battery	See Page 4-4

Symptom	Action	Notes
INF-SS does not start electronic timer but start horn sounds properly.	<ol style="list-style-type: none"> 1. Check cable connections at timer, cable harness (or deck plate) and INF-SS. 2. Make sure you are using a Colorado Time System timer (Normally Open circuit) 3. Electronic timer failure—attempt to start timer manually. 	See Figures B and C for locations of these items.
No start or recall tones at speaker(s).	<ol style="list-style-type: none"> 1. Make sure the starter is holding down the push-to-talk thumb switch when pressing the start button on the microphone. 2. Check and replace battery in wireless microphone. 3. Check wired microphone connector on the INF-SS connector panel. 4. Check speaker connector(s) on cable harness and on INF-SS connector panel. 5. The microphone switch may be bad—substitute another microphone (wireless or wired). 	<p>See instructions on page 3-1.</p> <p>Try testing the INF-SS with a wired microphone</p> <p>See Figure B for location of this item.</p> <p>See Figures B and C for locations of these items.</p>
No public address output at speaker(s).	<ol style="list-style-type: none"> 1. Check volume control level on the INF-SS connector panel 2. Check speaker connector(s) on cable harness and on the INF-SS connector panel. 3. Check microphone connection on the INF-SS connector panel (if using a wired microphone) 4. The wireless microphone battery may be dead or the microphone may be bad—substitute a different microphone (wireless or wired) or change the battery. 	<p>See Figure B for location of this item.</p> <p>See Figures B and C for locations of these items.</p> <p>See Figure B for location of this item.</p>
Some speakers work, others do not	<ol style="list-style-type: none"> 1. Check speaker connector(s) on cable harness and on INS-SS connector panel. 	See Figures B and C for locations of these items.
Strobe does not flash	<ol style="list-style-type: none"> 1. Allow 30 seconds between starts for strobe to recharge. 2. Return strobe to CTS for repair 	Return entire INF-SS unit for strobe

Symptom	Action	Notes
Experiencing Feedback	<ol style="list-style-type: none"> 1. Hold the wireless microphone further away from the INF-SS unit 2. Turn down the speaker volume 3. Check battery in the wireless microphone 	The wireless microphone uses standard 9 volt batteries.

Returning Your INF-SS For Service

If you are experiencing a problem not found in the Troubleshooting guide or not corrected by the troubleshooting instructions, it may be necessary to send part or all of your INF-SS to the factory for service. Depending on the problem, it may be necessary to return the entire start system. The following list contains the components which can be returned to the factory individually after removal from the INF-SS module.

Warning: Before attempting to remove any components, make sure the INF-SS power switch is in the Off position and the battery charger is unplugged.

Speakers

Detach the individual speaker cable from the cable harness if you are using a multiple speaker configuration. If you are using a single speaker configuration, detach the speaker connector from the INF-SS module connector panel. Return the defective speaker(s).

Cables

For any of the cables used, detach all connections and return the cable.

Strobe Light

Return the entire system if you suspect that the strobe light portion of your start system is damaged. First try the troubleshooting tips described on page 4-3.

12v Gel-cell Battery

If you have tried to charge the 12v battery and it no longer is holding a charge, you may need to replace it with a new battery. The battery indicator LED will shine red if, after charging, the battery did not hold the charge.

To replace the battery, place the INF-SS unit on a table in a dry location. With a Phillips head screwdriver, unscrew the three locking screws on the back panel. Pull off the back panel of the INF-SS. Lift up the battery clip and pull out the old battery. Remove the two connectors. Replace with a new battery and reconnect the power connections. Slide the new battery into place under the clip and push and twist the back panel in place.

See Figure E on the next page.

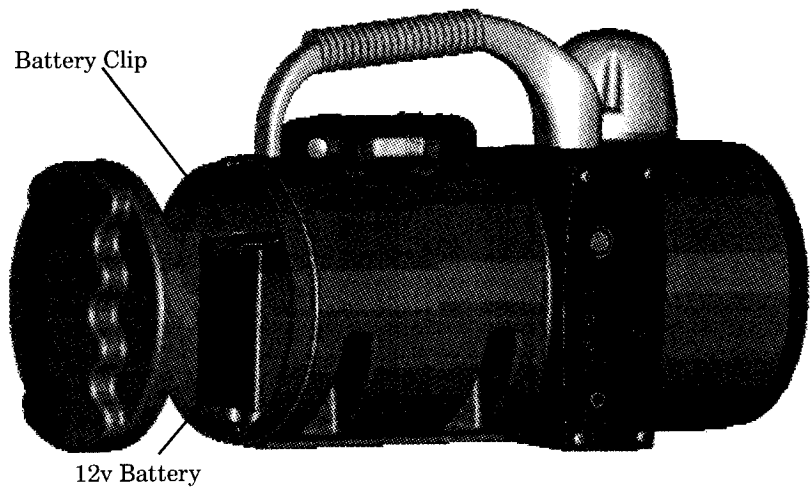


Figure E: 12v Battery Compartment

Additional items which can be ordered as replacement parts:

- ☐ Replacement speakers
- ☐ Cable harnesses (LS40-6 for INF-SS6; LS40-8 for INF-SS8; LS40-10 for INF-SS10)
- ☐ Replacement wired microphone (INF-M50, INF-M25)
- ☐ Replacement wireless microphone (INF-MIC)
- ☐ Replacement battery charger

Warranty

Infinity Start System Two-Year Limited Warranty

COLORADO TIME SYSTEMS, INC. warrants the following products against any defects in materials and workmanship affecting electronic and mechanical performance for two years from the date of purchase from COLORADO TIME SYSTEMS, INC.

Model INF-SS Infinity Start System excluding internal rechargeable battery and microphone battery.

All other components associated with the above equipment including start transducers, pushbuttons, test meters, microphones, external speakers, data cables, etc., will have a one year limited warranty.

COLORADO TIME SYSTEMS products, when properly installed, are warranted not to fail due to defects in materials and workmanship. This warranty is limited to the original purchaser of the product and is not transferable. No warranty claim will be honored unless at the time the claim is made you present proof of purchase.

COLORADO TIME SYSTEMS, INC. will, at its option, repair or replace the defective products at no additional charge except as set forth below. Repaired components, parts and replacement products will be furnished on an exchange basis and will be either reconditioned or new. All replaced parts and products become the property of COLORADO TIME SYSTEMS, INC. This limited warranty does not include service to repair damage to the product as a result of modification of the product, misuse, abuse, neglect, negligence, vandalism, accident, or abnormal conditions including war, flood, accident, lightening, or other acts of God or damage caused by occurrences over which COLORADO TIME SYSTEMS, INC. has no control.

Limited Warranty service may be obtained by delivering the product or component part to COLORADO TIME SYSTEMS, INC. You agree to insure the product or assume the risk of loss or damage in transit, to pre-pay shipping charges to the service location and to use the original shipping container or equivalent. Repaired products will be returned to you by surface delivery at Colorado Time Systems' expense or by air freight at the buyers' expense.

All expressed and implied warranties for these products including the warranties of merchantability and fitness for a particular purpose are limited in duration to a period of two years (or one year, as applicable) from the date of purchase, and no warranties, whether expressed or implied, will apply after this period. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

If this product is not in good working order as warranted above, your sole remedy shall be repair or replacement as provided above. In no such event will COLORADO TIME SYSTEMS, INC. be liable to you for any damages, including lost profits, lost savings or other incidental or consequential damages arising out of the use or inability to use such product, even if COLORADO TIME SYSTEMS, INC. has been advised of the possibility of such damages or for any claim by any other party.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which may vary from state to state.



**Colorado Time Systems, Inc.
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**Sales: U.S. and Canada: 1-800-279-0111
Service: U.S. and Canada: 1-800-CTS-0653
Sales and Service outside U.S. and Canada: 970-667-1000
Fax: 970-667-0988**