

StartVox™ Starting System by ClockWork Sport



Preliminary Product Manual

The StartVox™ provides a reliable starting device with a powerful start tone, simultaneous flash, and electronic triggering with sub-millisecond latency. While designed as the preferred starting device for ClockWork Sport timing systems, the StartVox is compatible with most popular timing systems.



clockworksport.com

Box Contents

- StartVox unit
- Power Supply
- StartVox Trigger Mic
- Manual (this document)

Quick Start

1. Connect the starting cable from the timing system to the “Start” port on the StartVox.
2. Connect the StartVox microphone to the “Trigger Mic” port.
3. Press the StartVox Power button for ½ second. The blue Status light should illuminate.
4. Adjust microphone and horn volume as required with controls on the back panel.
5. To start a race, the starter holds the microphone lever to talk, with the lever still depressed, pressing the green button on the microphone will activate the start signal, sounding the horn and flashing the strobe light.
6. Switching the Horn level to **Off** will allow the StartVox to be used as a P.A. system without activating the start signal.



Status Indicator

The blue Status indicator will glow or blink to indicate the following.

- Off = Power is off
- Solid On = the StartVox is ready
- Fast Blink = the start cable is disconnected or faulty
- Slow Blink = the Override feature has been activated



Cable Detect Feature & Override

If the starting cable becomes disconnected at either end, the StartVox will not sound or flash when triggered. The microphone will still operate for announcements. The blue status indicator will blink rapidly.

This Cable Detect feature may be overridden by pressing the “Override” button on the back panel and the race may be started from the microphone switch. The blue status indicator will blink slowly. The Override feature will remain active until one of the following occurs:

1. The Override button is pressed again
2. An active start cable is connected
3. The StartVox is powered off and back on.



Power and Charging Indicators

The Power indicator will glow or blink to indicate the following.

- Off = Power is off
- Green On = Power is on with sufficient charge to operate
- Red Blinking = Battery is low

The Charge indicator will indicate the following.

- Off = the power supply is not connected or not plugged in
- Red On = the battery is charging
- Green On = the battery is fully charged

Auto Shutoff & Charging

If the StartVox becomes disconnected from the deck cable, it will power off automatically after sixty seconds. If the Override feature is activated, this auto shutoff feature will be disabled.

Charging circuitry in the StartVox will detect when the battery is fully charged and turn itself off so the user doesn't have to worry about overcharging the battery. Charging the StartVox takes approximately three hours if it was completely discharged. With typical usage, the StartVox will run for about 12 hours on a full charge.

To protect the battery, the StartVox will automatically shut off if the battery is too low. Should the battery become completely discharged for any reason during an event, the StartVox may be operated by plugging in the charging power supply. However, it is recommended to fully charge the unit before each use and, for all day events, during suitable breaks.

Multiple Unit Operation

The StartVox may be paired with other StartVox units on the same start wire. Triggering any unit will cause all attached units to flash and sound the horn. Additionally, any button attached to the start port on the deck cable can trigger the StartVox.

Mounting

The StartVox has a built in 1" mounting socket to fit standard tripods. ClockWork Sport also makes a flag pole mount which will hold the StartVox securely on a backstroke flag pole and eliminate the need for a tripod on the deck.



StartVox Flag Pole Mount

Support & Contact

For issues with installation or troubleshooting, please email support@clockworksport.com or call (517) 655 – 5523 Ext. 35 during standard business hours.

For ordering parts, accessories, or general questions, please email sales@clockworksport.com or call (517) 655 – 5523 Ext. 18 during standard business hours.

Optional Accessories & Replacement Parts

These parts may be ordered from clockworksport.com or from Amazon.com.

- Start System Cable
- Trigger Mic
- Flag Pole Mount
- Cable Cover
- Mounting Tripod
- Replacement Banana Plug
- Backup Button
- Replacement StartVox Power Supply

Limited Warranty

For all ClockWork Sport products purchased and installed in the United States, Canada and the United Kingdom, P.I. Engineering warrants that the ClockWork Sport product will be free from defects in materials and workmanship under normal use and service, and will meet the specifications presented by P.I. Engineering at the time of original purchase, for one year as evidenced by a copy of the purchase receipt. Under this warranty, P.I. Engineering will, at its sole option, repair or replace any ClockWork Sport product which is defective, provided that you are responsible for (i) the cost of transportation of the product to P.I. Engineering or its designated service facility, and (ii) any loss or damage to the product resulting from such transportation.

Upon discovery of a defect in the product within the Warranty Period, you should notify P.I. Engineering Technical Support to obtain an RMA (return authorization number) and instructions for shipping the product to a service location designated by P.I. Engineering. You should send the product, shipping charges prepaid, to the designated location, accompanied by the return authorization number, your name, address, and telephone number, proof of purchase, and a description of the defect. P.I. Engineering will pay for return of product(s) to the customer.

P.I. Engineering shall have no responsibility to repair or replace the ClockWork Sport product if the failure has resulted from accident, abuse, mutilation, misuse, or repair/modification performed by any entity other than P.I. Engineering.

THIS WARRANTY IS EXCLUSIVE OF ALL OTHER WARRANTIES, WHETHER EXPRESSED, IMPLIED, OR STATUTORY. P.I. ENGINEERING DOES NOT WARRANT THIS ClockWork Sport PRODUCT FOR FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY. P.I. ENGINEERING AND ITS EMPLOYEES SHALL NOT BE HELD LIABLE FOR ANY CONSEQUENTIAL, INDIRECT, OR INCIDENTAL DAMAGES, EVEN IF ADVISED OF THEIR POSSIBILITY, ARISING OUT OF THE USE OR INABILITY TO USE THIS PRODUCT. SOME STATES DO NOT ALLOW FOR THE EXCLUSION OR LIMITATION OF CERTAIN LIABILITIES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER LEGAL RIGHTS WHICH VARY FROM STATE TO STATE.

In the event that the above limitations are held unenforceable, P.I. Engineering's liability for any damages to you or to any party shall not exceed the purchase price you paid, regardless of the form of any claim.

This limited warranty is valid for and only applies to products purchased and used inside the United States (and its territories), Canada, and the United Kingdom.

This limited warranty is governed by the laws of the United States of America and the state of Michigan.

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