

LITE II - User Guide

(LITE Initiated Timing Equipment)

Starting Races:

The LITE II can be used in meets that are timed with stopwatches or with Fully Automatic Timing. The double insulated wire that comes out of the bottom of the unit splits with one end being a ¼" male audio connector and the other being an XLR connector for FAT systems.

If additional speakers are used to generate a wider angle of sound, that can be done a few different ways. First, a ¼" audio splitter could be used to mechanically duplicate the sound (This must be mono to mono because a stereo splitter will separate L and R halves of the sound and since the LITE creates a non-stereo sound, the stereo splitter will result in only one speaker generating a sound). This may result in a reduction of loudness and is not recommended. Second, some speakers have inputs and outputs so an additional audio cable (not included) could be plugged into the output with the other end connected to a second speaker. Third is the use of bluetooth companion speakers like the Megavox 2 Air or Liberty 3. They take the sound sent to the first speaker through the LITE II's audio cable and then duplicate the sound via bluetooth to a second speaker.

It is VERY IMPORTANT to know that the LITE II's loudness and quality of sound, especially the pistol simulation, depends entirely on the speaker that is used. Refer to the list of recommended speakers below.

Once connected with the desired setup of speakers and timing systems, turn the LITE II "On" and select if the start sound will be "Tone" or "Pistol".

It is a good practice to do a few test-fires so that athletes can get oriented to the sound your speakers are creating. Afterwards, be sure to check with your timer/s to ensure they are ready.

False Starts and Recalling Races:

If a starter determines that an athlete started early, it is customary to recall the race. After the initial sound to start the race, a starter would typically fire multiple shots from his starter pistol to alert the runners that they needed to discontinue the race and return to the starting line.

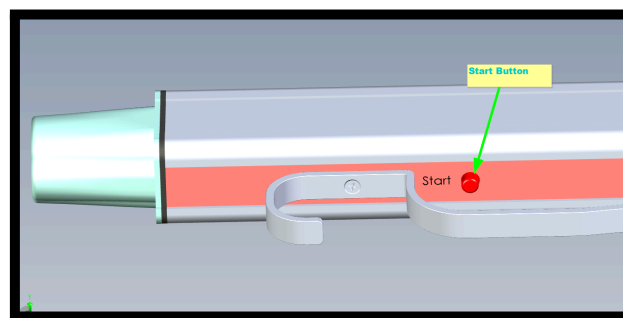
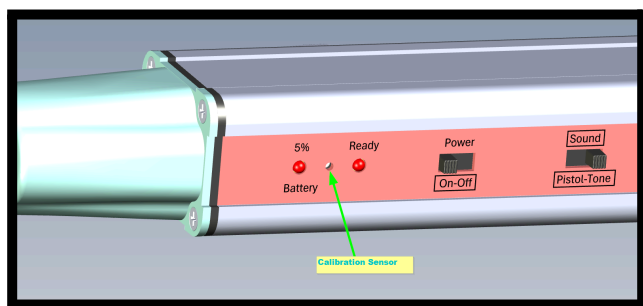
With the LITE II, a starter can repeatedly press the start button without sending a new FAT signal or LED flash during the initial 5 seconds after the start signal that would waste battery power.

Before First Use:

To ensure synchronization of the start sound to the FAT signal and light flash, calibration is recommended when using a new speaker. (* Note: The LITE II will keep the calibration information in its internal memory even when AA batteries are replaced.)

Calibration procedures:

1. Connect the LITE II to the primary speaker for unit calibration.
2. Turn 'On' the speaker but keep the LITE II 'Off' for the moment.
3. Place the LITE II about 6" in front of the speaker with the calibration sensor hole facing the speaker.
3. Press and hold the start button, then push the power switch of the LITE II to 'On'.
(Hold the start button for the entire calibration process).
5. The LITE II will generate five consecutive sounds with about 1 second space in between.
6. Release the start button after the last sound is heard. LITE II will then be calibrated and ready to use.



After Use Care

Powering Down: The device experiences a small amount of battery drain even when not actively starting races so be sure to switch to 'Off' after the meet is concluded. Turning off the device between events is not necessary but can further extend battery life.

Moisture Exposure: If the device has been exposed to moisture, ensure it is completely dry before storing it away.

Extended Storage: If you do not plan to use the device for a week or more, remove the four alkaline batteries to prevent any potential damage or leakage.

Battery Life and Maintenance

Battery Capacity: The LITE II is capable of starting over 3,000 races on a single set of batteries. The actual battery life is more influenced by the duration the device remains powered on.

Battery Variability: The performance of the batteries can vary depending on the type and brand of AA alkaline batteries used. However, a fresh set should last through several meets before requiring replacement.

Low Battery Indicator: When the low battery light comes on, the device will continue to function effectively for more than three hours, allowing you to complete most meets. However, it is necessary to change the batteries before beginning a new meeting.