TimeTronics

Product brochure
Electronic Start System

TTC-063 Electr. start system Pro
TTC-064 Electr. start system Club

2021v1

1. Electronic Start System

We offer you 2 different electronic start devices: our **Club** (TTC064) and our **Pro** (TTC063) version.

In combination with a portable **SpeakerBox** sound system (TTC067), you have a professional start system without a classic gun.

- No bullets anymore
- No weapon license needed, less administration
- Easy connection to all MacFinish or Argus photofinish systems

Pro version
TTC-063

Club version
TTC-064

a. What is an Electronic Starting Device?

- It is an **electronic audio-visual start signal generator** that can be used for all types of races. It generates a start signal by sound and flashlight
- It does not use gunpowder and is safe to handle
- It can generate a synthesized firing signal or an electronic beep
- The start official can use a Headset Microphone (optional and for Pro version only) to amplify and communicate his/her voice message to the athletes
- It can be used with one portable sound system or more, or with other equipment to suit your timing system

b. Advantages of the TTC-063 Pro versus TTC-064 Club

- The Pro system has a pre trigger point (like a traditional start gun)
- The Pro system has a stronger (more visible) flash light
- The Pro system is more robust
- The Pro system can be connected to a microphone (P1125) to amplify the starters voice

2. SpeakerBox TTC-067

To hear the actual starting sound, you need to connect the electronic start device to a **speaker system**. For this reason we have developed a SpeakerBox which you can mount underneath or inside a starter stand.

a. Advantages of the Speakerbox

- The SpeakerBox can be mounted on the starter stand. This way you only need to transport this one stand, instead of multiple items.

- LED ready light to communicate with photofinish operator. Ready LED on means that the MacFinish or Argus system is set in ready position to receive start pulse.

- All athletes can hear the starting shot **without delay** with optional additional speaker (TTC068), please note that you can add max 2 of these speakers to the SpeakerBox.

TTC-068 Optional Additional Speaker
(Which can be placed closer to the athletes,
e.g. one in lane 3 and one in lane 6)

TTC-067 Speakerbox

Starter stand
(not included)

3. Optional products

Suitable for **club** and/or **pro** version?	Product picture
Pro and Club version	TTC-068 Optional additional speaker
Pro and Club version	TTP-1123 Optional carrying case (products not included, only case with protecting foam)
Pro version	TTP-1125 Optional microphone

4. Setup schematic

Start Device Pro
- Start sounds   : Beep or bang
- Recall   : Through speakers
- Starters Voice Commands : Through speakers *(optional microphone P1125)*

Start Device Club
- Start sounds   : Beep or bang
- Recall   : Through Speakers
- Starters Voice Commands : Voice of Starter only, not through speakers

Configuration content:

TTC063 Electronic Start Device Pro
- P978   Electronic Start Device Pro
- P1117   Electronic Start Device Pro Connection Cable
- P1096   Electronic Start Device Interface

TTC064 Electronic Start Device Club
- P1104   Electronic Start Device Club
- P1096   Electronic Start Device Interface

TTC067 SpeakerBox for Electronic Start System
- P72   Battery charger – 220 VAC, 12VDC, 0.9A
- P1102   SpeakerBox excl. Printer
- P1111   Ready LED for SpeakerBox

Configuration content optional products:

TTC068 Additional speaker
- P1103   38W Loudspeaker

TTP1123 Carrying case for Electr. Start Device

TTP1125 Neckworn microphone
(only for Electronic Start System Pro)

P1123
Carrying case for Electronic Start System,
compatible for both Club or Pro system
(shown products not included)

P1111

Ready light of MacFinish

Starter stand not included

Cinch sound output

Tip:
You can mount on starters stand, starter stand not included

Start signal to MacFinish or Wireless Start (MacFinish or Wireless Start not included)

P1102

P1103

P1103

TTC068
= 1 additional speaker, you can add max 2 pieces

Remark:
- plug in to use SpeakerBox
- Unplug to save battery
- Use plug to charge internal battery

P978
Start Device Pro

Voice only

P1125

P1104
Start Device Club

or

P1117

= Optional product