

## ***FT-TrackScoreboard User Guide***

The FT-TrackScoreboard software sends race times, entries, results, images and messages to the Display. You can also send field entries and results, and scores from either Hy-Tek or Meet Pro using their scoreboard interface.

**Display Settings:** The Settings windows appears when you first launch the application, or click **Settings** from the main menu.

- Select your display from the drop down menu. In most cases, there will be 2 options in the drop down menu. Select the display that is not the main display. Click test and the **FlashTiming** logo will appear on the display.
- Set the options for how the race results and entries are to be displayed.
- Set the duration for how long messages and bitmap are to remain on the display.
- Click OK to close the window. The **FlashTiming** logo appears on the display.

Click Settings from the main menu to return to the Display Settings window.

### ***Entries:***

Click on **Browse** and navigate to your meet management folder and select the “lynx.evt” file. (This is the tfmeet folder for Hy-Tek users). The entries appear below.

- Click on an event and then **Show Entries** (or double click the event) to display the entries on the display.
- Click **View** on an event to preview the entries before displaying.

### ***Race Results:***

Click on **Select Results Folder** and browse to your meet management folder containing the “\*.lif” files. (This is the tfmeet folder for Hy-Tek users). The saved results appear below. The list will update as “lif” files are added to the folder.

- Click on an event and then **Show Results** (or double click the event) to display the results on the display.
- Click **View** on an event to preview the results before displaying.

### ***Images:***

Display one image or cycle through a series of images in a folder.

- Click the first **Browse** button to select a single image. The image appears in the preview below.
- Click the second **Browse** button to display all images in a folder. The first image to be displayed appears in the preview area. Click **Next Image** to see the next image in sequence. Images are displayed in alphabetical order.
- Select the **Background Color**. Images created at a 2X1 aspect ratio will not show the background color.
- Click **Display Images** to send images to the display

For best results, use low resolution images with a 2X1 aspect ratio.

### ***Messages:***

Show custom messages and announcements on the display.

- Select Font, Font Size, Background Color, Text Color and Text Alignment for your message.
- Type your message in the preview area.
- Click **Show Message** to send your message to the display.

Messages can be saved and retrieved at a later date to display. They can also be saved as a bitmap in your image folder. The message will then be displayed whenever you cycle through the images in that folder.

### ***Race Clock:***

Start, stop and reset the race clock manually.

## **Network Interface**

You can send information to the display from MeetPro or Hy-Tek's Meet Manager using their scoreboard interface. This feature allows you to display entries and results from all track and field events and team scores on the FT-DisplayPro. You can also send race times, entries and results direct from FlashTiming to the Display using this interface.

Setup your display and click on the **Network Interface** tab.

Click the **Receive Data** Button - A message appears in the log "Waiting for data"

Note the IP Address and Port/Socket number.

The FT-DisplayPro software can be running on a different computer on the network or the same computer as the program using the interface (FlashTiming, Hy-Tek or MeetPro)

## **Rows of Text**

The program sending the data dictates how the data will be shown on the display when using the Network Interface and all options in the Setting Windows are ignored except for the **Rows of Text**. In **FlashTiming** and other Scoreboard Interfaces you set the number of rows of text to show on the display and the number of characters per row. The number of rows and the number of characters per line in the sending program need to match FT-Display Pro capabilities or the text will not display properly. FT-Displays displays results and entries with built-in bitmap fonts and can display 6-10 rows. The number of rows of text define the number of characters displayed per line:

6 rows: 16 characters

7 rows: 24 characters

8 rows: 24 characters

9 rows: 32 characters

10 rows: 32 characters

## **Suspend Race Times**

If you configure FlashTiming to show race times on the display and the race clock is running, other messages are blocked from the display. Check **Suspend Race Time** to allow results and entries to be displayed. Uncheck the box to resume displaying the race time.

## **Program Interfaces**

The next sections include instructions for setting up FlashTiming, Hy-Tek and Meet Pro to send data to the FT-DisplayPro.

### **FlashTiming**

*For best results with FlashTiming, use FlashTiming v1.2.3 or later.*

Configure FlashTiming to use the Daktronics Display to send entries, results and race times directly to the FT-DisplayPro.

#### **Setup the Display**

1. Select **Display** from the main menu and then **Daktronics Display** from the drop down.
2. Select **Matrix Display** at the top
3. Select **UDP Ethernet**.
4. In the Scoreboard IP Address, enter either "**255.255.255.255**" or the IP Address listed in the Network Interface tab of the FT-DisplayPro app.
5. Enter **20000** in the Scoreboard Port/Socket. This is the default value and needs to match the Port/Socket number if the Network Interface tab.
6. Click **Show Race Times if** on the Capture Computer and you want the show Entries and race times on the display.
7. Click **Show Results if** on the Review Computer and you want to show entries on the display.
8. Click **OK**.

**Set your display Options:** Click **Display Options** from the menu menu.

1. Enter the number of **Lines of Text** you wish to display for the entries and results. *This need to match the number of lines of text entered in the settings windows in the FT-DisplayPro program.*
2. Enter the **Characters per Line** from the table above.
3. **Cycle Time:** The display will cycle through the “pages” of text if the results or entries contain more lines of text than will fit on the screen. Cycle Time is the amount of time in seconds that a page will remain on the screen before the next page is displayed.
4. **# of times to cycle:** Enter the number of times the display should cycle through multi-page results or entries. Enter ‘0’ to continue cycling through the results until the next set of data is sent to the display.  
*Note: If all data for the entries or results fit on the display, the data will remain on the screen for Cycle Time X # of times to cycle seconds. If # of times to cycle equals 0, the data will remain on the display until new data is sent to the display.*
5. **# of lines for Race Description:** You may specify the number of lines to be used for the race description (0, 1 or 2 lines).
6. **Show Team/School Affiliation with Results:** Check if you want the four character team abbreviation to display.
7. **Display Race Description on all screens:** Check the box if you want the race description to be displayed on all screens of a multi-page results or entries.
8. **Automatically send saved results to display:** Check the box if you want race results to be sent to the display whenever you click the Save Times button in the Review Screen.

#### **Capture Computer.**

A blue toolbar appears below the main menu in the Capture window if you opted to Show Race Time. The race clock displays tenths of a second when the race starts. Once the race stops, click the **Reset Clock** or **Clear All** button to remove the times.

Select an event in the list of Schedule Events and then click **Race Entries** to display the race participants for the event.

#### **Review Scene**

A blue toolbar appears below the main menu in the Review window if you opted to Show Results.

- Clear – Clears the display
- Results – Post the race results on the displays. This displays the results for athletes with recorded times in the result table.
- Auto Results – Turn On auto results to display the athletes times as they are being determined in the review screen. This will update the results on the display every time an athlete’s time is entered in the results table.

## **Hy-Tek Meet Manager**

You need the scoreboard interface from Hy-Tek to send entries, results and scores for both track and field events to the FT-DisplayPro scoreboard.\*

**Setup** - Click **Run** from the main menu

Setup Meet Manager to use a Daktronics Full Matrix Scoreboard

1. Click **Interfaces** from the Main Menu,
2. Click **Set-up** from the drop down menu and then **Scoreboard**.
3. Click **Daktronics Full Matrix**.
4. Click **UDP Ethernet** under Connection Method.
5. Click **OK**.

Setup the UDP Port and IP Address

1. Click **Interfaces** from the Main Menu,
2. Click **ScoreBoard-Daktronics Full Matrix**.
3. Click **UDP Port and IP Address**

In the Set UDP Port and IP Address Window

- a. Enter **20000** for the Remote Scoreboard Port/Socket. This is the default value and needs to match the Port/Socket number if the Network Interface tab.
- b. In the Scoreboard IP Address, enter either "**255.255.255.255**" or the IP Address listed in the Network Interface tab of the FT-DisplayPro app.
- c. Click **OK**.

Set the Display Options

1. Click **Interfaces** from the Main Menu,
2. Click **ScoreBoard-Daktronics Full Matrix**.
3. Click **Customize**
  - a. Enter the number of rows for the Header (event name and heat #)
  - b. Enter the number of rows for lanes.
  - c. Enter the number of characters for the total number of rows from the table above..

*The **Total Rows Displayed on Scoreboard** must match the number of rows of text in the FT-DisplayPro settings and the number of characters must match the FT-DisplayPro character count for the total number of rows.*

4. Fill in the remaining display options and click OK.

### **Send Data to the Display.**

In **Run the Meet** scene, type <Ctrl + F1> to bring up the Scoreboard display options. Set the options for entries, results and scores and click OK to send the data to the FT-DisplayPro.

Shortcuts:

- Click on an event and enter <Ctrl + F10> to send the start list to the display
- Click on an event and enter <Ctrl + F11> to send the results for the event to the display.

See Meet Managers Help for for more information on using their scoreboard interface.

\* Scoreboard interface cost is \$495.00. FlashTiming can help you with the order, or you can order from Hy-Tek's website.

## Meet Pro

Use the scoreboard interface in Meet Pro to send entries, results and scores for both track and field events to the FT-DisplayPro scoreboard.

### Setup Meet Pro to use the Daktronics Scoreboard:

1. Click Interfaces from the main menu
2. Click Scoreboards
3. Click Daktronics.

In the Daktronics Scoreboard Window:

#### Board Setup

1. Set Communication Type to **Network**
2. Set Port Type to **UDP**
3. In the Scoreboard IP Address, enter either "**255.255.255.255**" or the IP Address listed in the Network Interface tab of the FT-DisplayPro app.
4. Enter **20000** for the Port. This is the default value and needs to match the Port/Socket number in the Network Interface tab.
5. Enter the number of Lines of Text you wish to display for the entries and results. *This need to match the number of lines of text entered in the settings windows in the FT-DisplayPro program.*
6. Enter the Characters per Line from the table above.

#### Data Setup

You can send three types of data: Team scores, start lists and results. Check the boxes next to one or more data types. If "Results" is checked, in the options below the checkboxes configure which event results will be displayed. The number of pages allows you to limit the number of pages per heat/round. The filters let you limit the events shown.

There are 3 results columns for race, relays and field events. The checked columns will be included in results. Make sure the columns you select fit within the number of Characters per Line.

Shortcuts:

- Click on an event and enter <Ctrl + F10> to send the start list to the display
- Click on an event and enter <Ctrl + F11> to send the results for the event to the display.