

# RaceDay Scoring Integration with **RFID Technology**

November 18, 2025



# Today's Agenda

- Introductions
- RaceDay Scoring Setup
- RFID Setup
- File Stream
- Best Practices
- Questions





# Introductions





# Joining us **Today**



**Todd Henderlong**  
T&H Timing  
(Also 2020 Alan Jones  
Timer of the Year)



# RaceDay Scoring Setup



# Setting up File Streams

1. **We recommend using File type streams with RFID Timing.** To set up your streams, select File (Custom or Chip System Type) for Stream Type

**Note:** It's a best practice to name your streams after your Box

**Stream Actions**

**Stream Information**

Stream Name: RFID Stream

Description: Optional description of the Stream.

Stream Type: **1** File (Custom or Chip System Type)

File Type: File (Custom or Chip System Type)

Folder Path:

**Warning!** Ensure that there are no files in this folder other than timing files in the proper format. If the system encounters other kinds of files in this folder that it is not expecting it can cause system instability and potentially database crashes.

File Extension:

Optional file extension filter. If left blank, all files in the folder will be used. Do not include the period before the



# Setting up File Streams

**2. File type should be set to RFID File** - once this is set the Stream Type will rename itself as RFID File as well

**3. Folder Path** should be the folder where all of your reads for **ONLY** this stream are stored

**Stream Actions**

**Stream Information**

Stream Name: RFID Stream

Description: Optional description of the Stream.

Stream Type: RFID File

File Type: **RFID File**

Folder Path:

**Warning!** Ensure that there are no files in this folder other than timing files in the proper format. If the system encounters other kinds of files in this folder that it is not expecting it can cause system instability and potentially database crashes.

**BROWSE**

File Extension: txt

Required file extension filter which is normally txt with files in format: ip\_address.txt. Do not include the period before



# Setting up File Streams

**4. RFID File Streams** require users to Change All Read Dates to the Race Date, as that data is not sent through with reads.

**Note:** If you have a race that crosses the midnight hour, you will need to set up your streams carefully.

Adjust Stream Read Dates and Times

Change All Read Dates To

4

mm/dd/yyyy



SET TO RACE DATE

**Note:** This system does not provide date in their passing data!.

Because we don't know the date of the passings coming in, all incoming passing data will be set to **the day that the passings are imported into RaceDay Scoring.**

**This means that passing dates could be incorrect if you are ever collecting reads on a day other than the Race date.**

It is **highly recommended** to use the **Set to Race Date button** so that the dates for the passings will be set to the date of the Race, especially if you ever plan on processing reads on a day other than the date of the actual Race.

This setting is Race-specific, and will not carry over to other Races using this Stream.

Adjust Range of Reads to another Date/Time

ADD ANOTHER RANGE





# Setting up File Streams

5. Set the Device IP for the stream based on the hardware that is its source

## Advanced Settings

### Device IP

5

### Custom Gunshot Bib Code

Retain Chip Code Zero Padding

☐ Yes

Retain Duplicate Reads

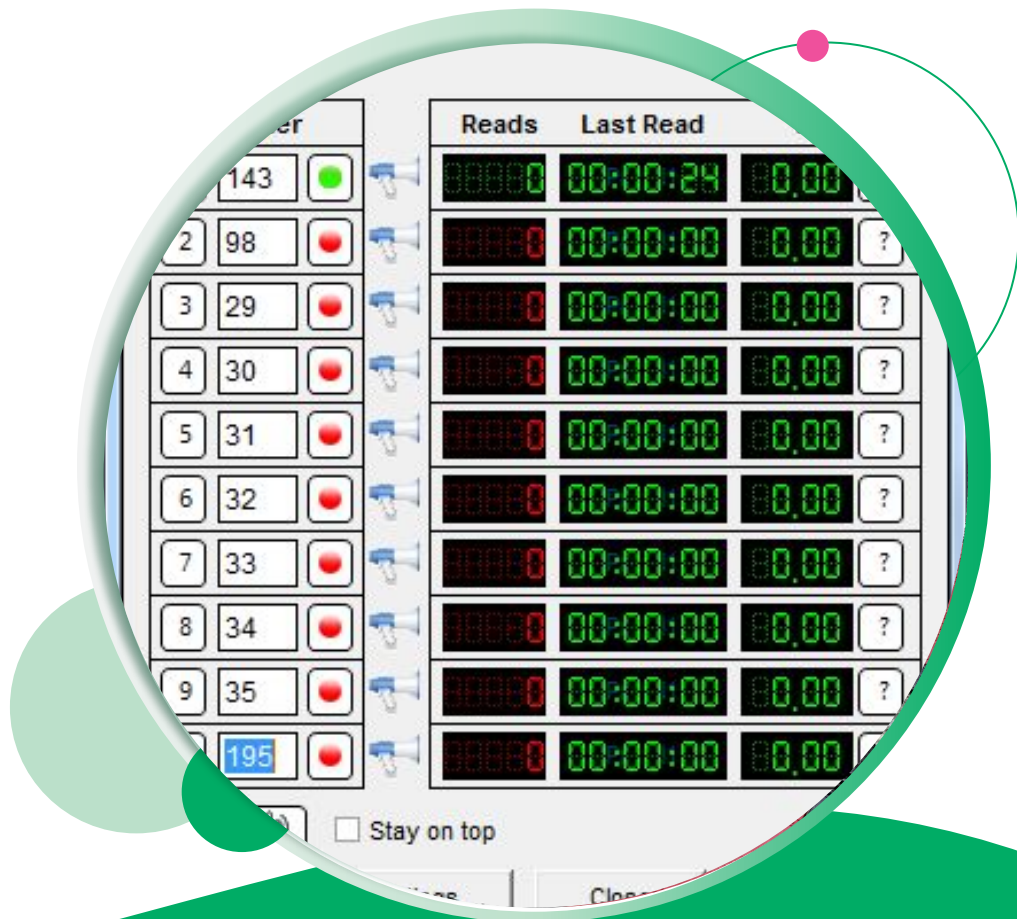
☐ Yes

To find your device's IP address:

- Go to Settings
- Go to Networking
- Go to IP Address



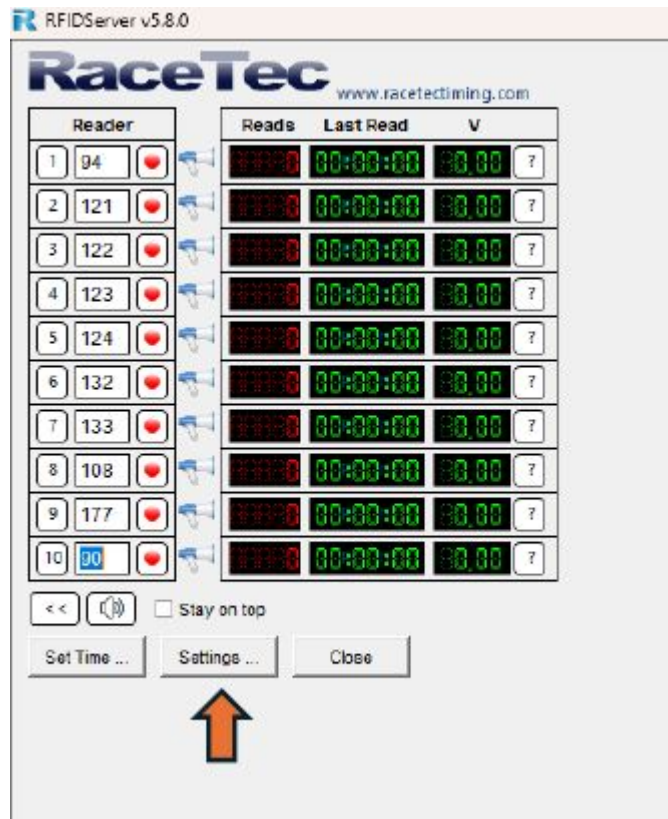
# RFID Server Setup





# RFID Server Setup

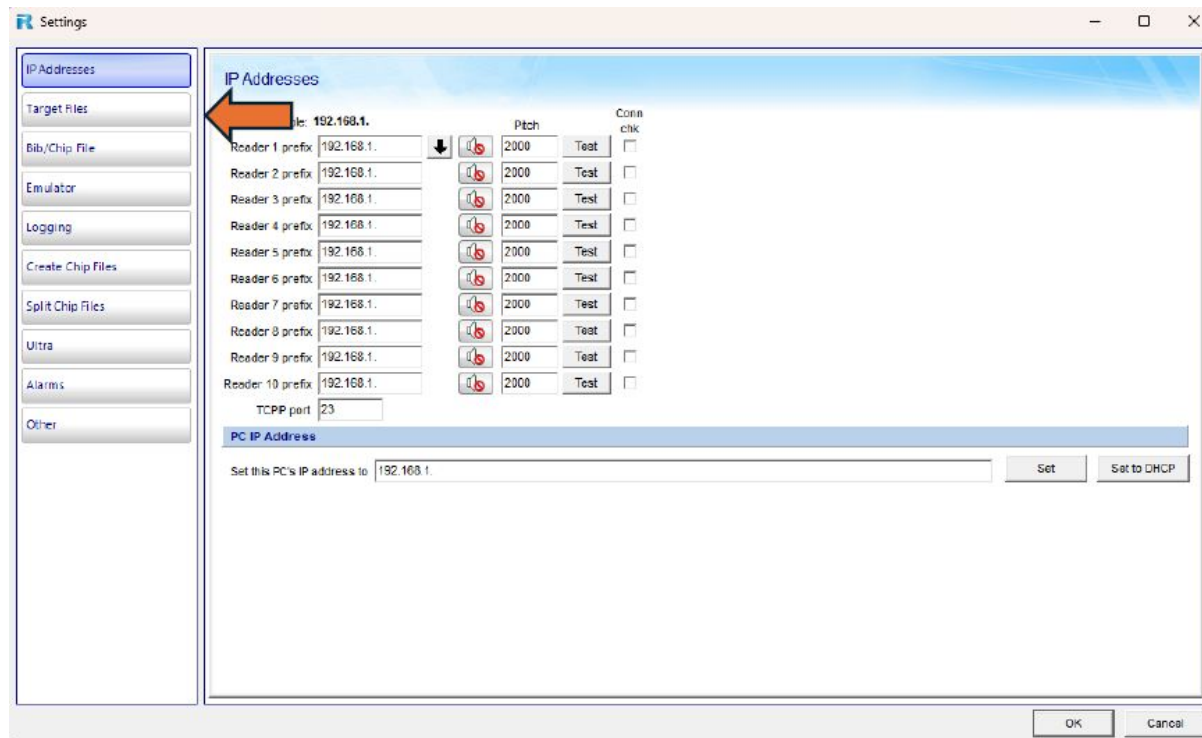
1. In RFID Server go to Settings





# RFID Server Setup

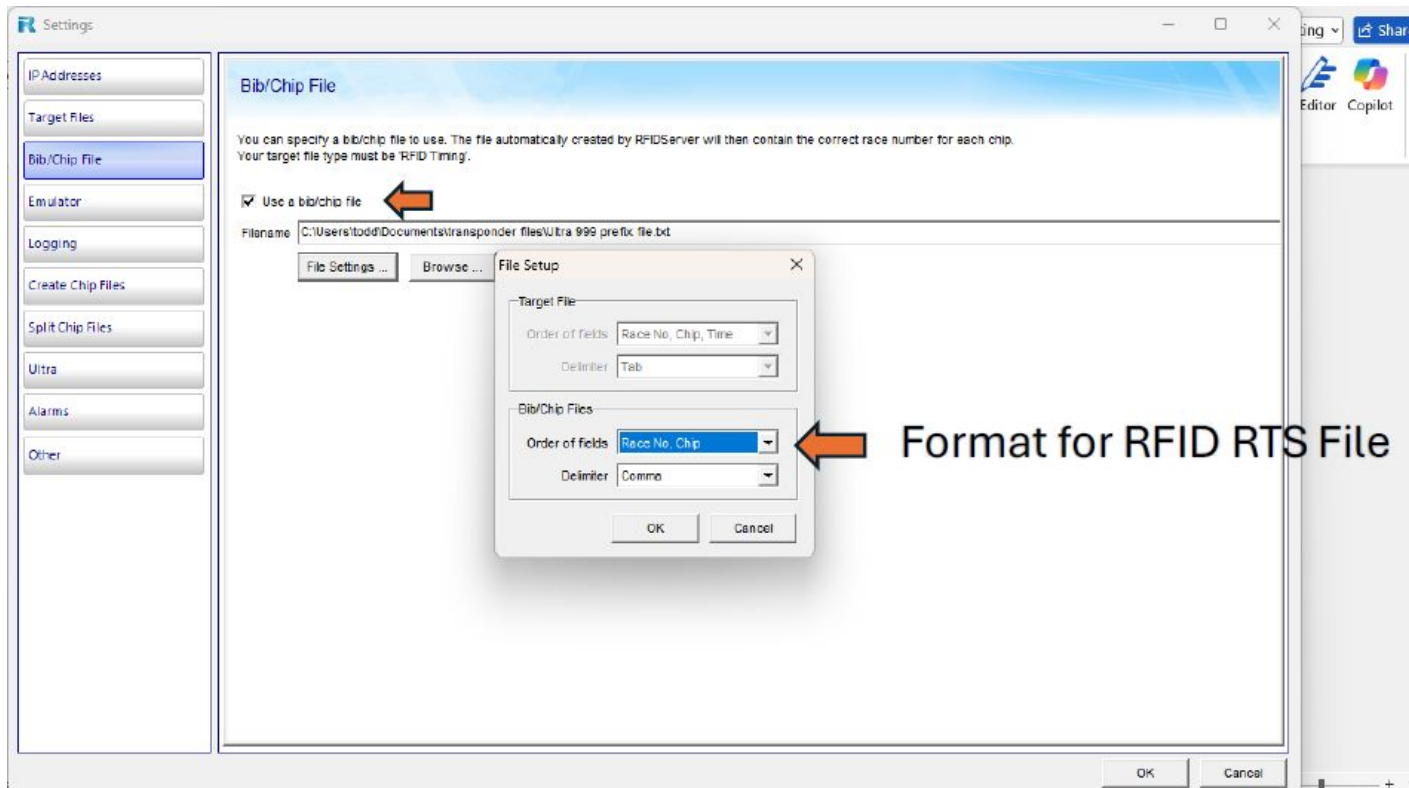
2. Make sure you have a Bib/Chip File loaded





# RFID Server Setup

3. Select **“Use a bibchip file”** and point to the filename. Order of Fields is important





# RFID Server Setup

Example Bib/Chip File -  
two columns with bib and  
then chip, separated by a  
comma.

File Edit View

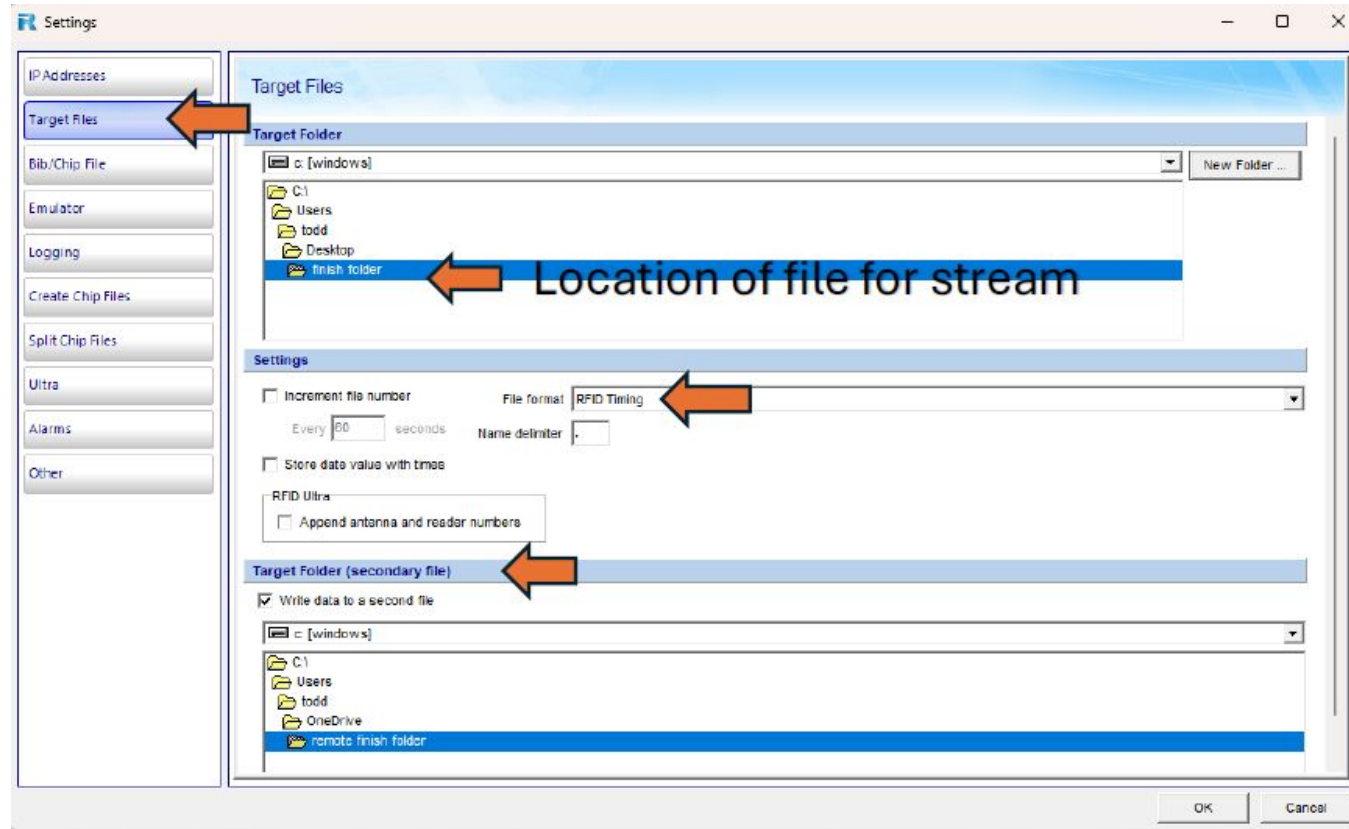
```
1,99900001  
2,99900002  
3,99900003  
4,99900004  
5,99900005  
6,99900006  
7,99900007  
8,99900008  
9,99900009  
10,99900010  
11,99900011  
12,99900012  
13,99900013  
14,99900014  
15,99900015  
16,99900016  
17,99900017  
18,99900018  
19,99900019  
20,99900020  
21,99900021  
22,99900022  
23,99900023  
24,99900024  
25,99900025  
26,99900026
```



# RFID Server Setup

## 4. Go to Target Files

- Set the folder
- File format is RFID Timing
- Target a folder for a second file





# RFID Server Setup

You can check the output file, and should be comfortable looking at this for discrepancies if need be. Because of the way unknown reads are handled between RFID Server and RaceDay Scoring this is a helpful skill to have in your repertoire.

**Bib Number**

**Chip code**

Chip code not in bib/chip reference file

```
1,99909044,044,"08:30:01.330"  
1,99909045,9045,"08:30:01.331"  
2,99909119,9119,"08:30:01.552"  
1,99909106,9106,"08:30:01.756"  
3,99909128,7128,"08:30:01.782"  
2,99909170,7170,"08:30:01.778"  
4,99909045,9045,"08:30:01.580"  
2,99909061,9061,"08:30:02.319"  
2,99909170,7170,"08:30:01.996"  
1,99909098,9098,"08:30:02.094"  
1,99909078,9078,"08:30:01.748"  
3,99909153,9153,"08:30:01.968"  
4,99909098,9098,"08:30:01.814"  
3,99907113,7113,"08:30:02.152"  
1,99909121,9121,"08:30:02.354"  
3,99907177,7177,"08:30:02.077"  
4,99909078,9078,"08:30:02.176"  
3,99907169,7169,"08:30:02.559"  
2,10000449,0,"08:30:02.099"  
4,99909072,9072,"08:30:02.783"  
2,99909046,9046,"08:30:02.759"  
3,99907179,7179,"08:30:02.762"  
2,99907112,7112,"08:30:03.038"  
4,99909065,9065,"08:30:03.034"  
2,99907122,7122,"08:30:03.161"  
3,99909064,9064,"08:30:03.164"  
4,99909040,9040,"08:30:03.178"  
4,99909123,9123,"08:30:03.387"  
2,99907116,7116,"08:30:03.787"  
1,99909016,9016,"08:30:03.335"  
2,99907153,7153,"08:30:03.769"  
3,99909007,9007,"08:30:03.775"  
4,99909094,9094,"08:30:04.192"  
4,99907119,7119,"08:30:03.798"  
4,99909016,9016,"08:30:03.815"
```



# RFID Server Setup

**Creating a Rewind File** is also helpful - format should be RFID Timing and the file should be a unique IP address so that it does not conflict with existing streams.

**Rewind Reader**

Reader: 192.168.1.90

Data to retrieve:

- ☐ All
- ☒ Within a range using: date and time

From: 10/26/2025 07:00:30 To: 10/26/2025 00:00:00

Preview Window:

Preview Data Clear Window Save to Text File ... Stop Reader

| Rec No | Chip Code | Time                    | Reader No |
|--------|-----------|-------------------------|-----------|
| 1      | 99900001  | 28/10/2025 09:59:28.746 | 1         |
| 2      | 99902002  | 28/10/2025 09:59:28.759 | 1         |
| 3      | 99900439  | 28/10/2025 09:59:28.772 | 1         |
| 4      | 99906432  | 28/10/2025 09:59:28.785 | 1         |
| 5      | 87        | 28/10/2025 09:59:28.797 | 1         |
| 6      | 99909590  | 28/10/2025 09:59:28.801 | 1         |
| 7      | 18000180  | 28/10/2025 09:59:28.814 | 1         |
| 8      | 99906685  | 28/10/2025 09:59:28.827 | 1         |
| 9      | 99909595  | 28/10/2025 09:59:28.839 | 1         |
| 10     | 99902001  | 28/10/2025 09:59:28.851 | 1         |
| 11     | 99902000  | 28/10/2025 09:59:28.864 | 1         |
| 12     | 99900221  | 28/10/2025 09:59:28.878 | 1         |
| 13     | 18000080  | 28/10/2025 09:59:28.890 | 1         |
| 14     | 99901422  | 28/10/2025 09:59:28.902 | 1         |
| 15     | 18000181  | 28/10/2025 09:59:28.914 | 1         |
| 16     | 99906734  | 28/10/2025 09:59:28.926 | 1         |
| 17     | 06004778  | 28/10/2025 09:59:28.938 | 1         |

36 record(s)

Start From This Reader Down Stop From This Reader Up

**Save Data To Text File**

☐ Save individual antennas in separate files (only possible if there are a maximum of 2 antennas)

Target File:

Filename: C:\Users\todd\Desktop\sectional girls rewind.txt

Format: RFID Timing

Target File for Antenna 2:

Filename:

Use a Bib/Chip File:

Filename:

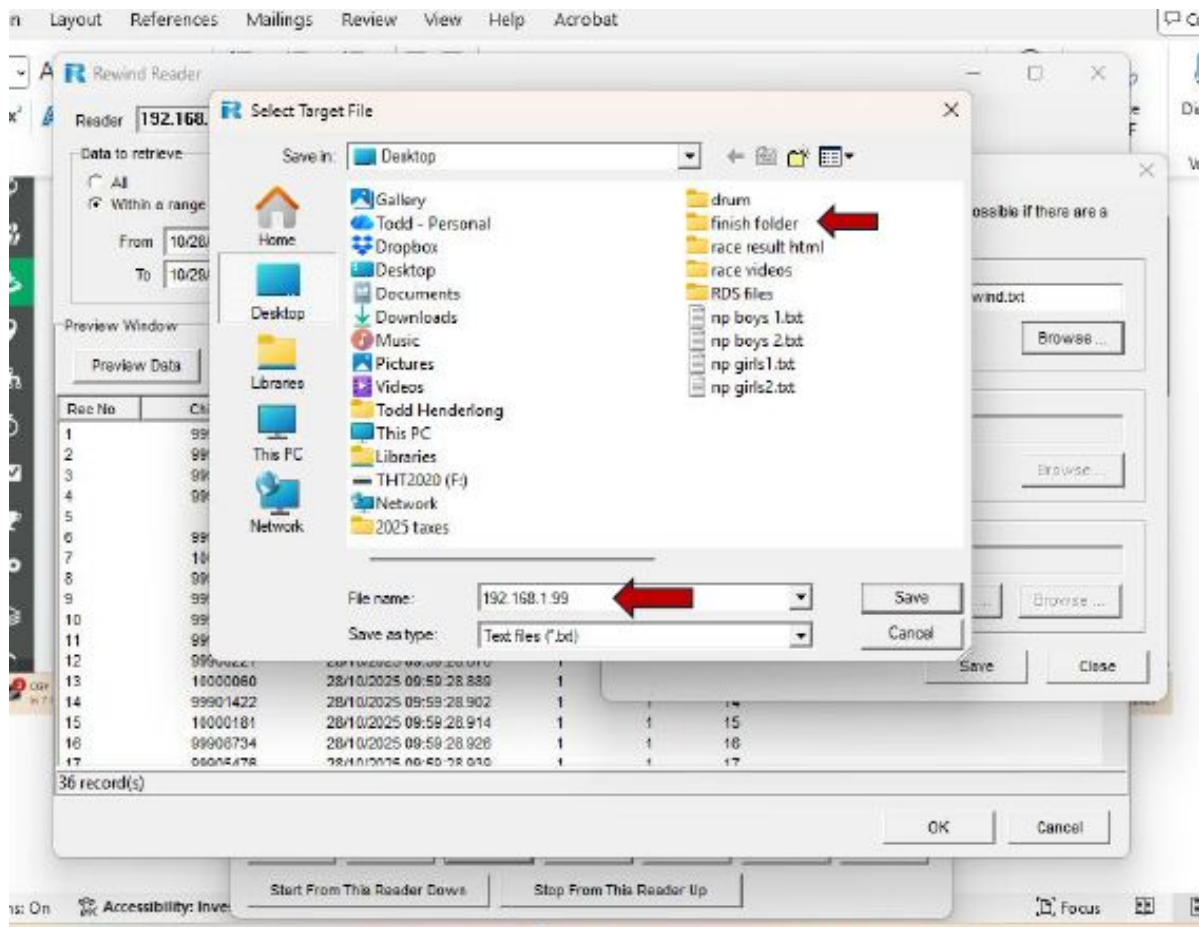
File Format ... Browse ...

Save Close



# RFID Server Setup

**Creating a Rewind File** is also helpful - format should be RFID Timing and the file should be a unique IP address so that it does not conflict with existing streams.





# RFID Server Setup

**Put the IP address for the Rewind  
File in the Description Field** so  
that you can easily reference it.

**Stream Actions**CLEARREPLAYBACKSAVE

**Stream Information**

Stream Name

Finish Line Rewind

Description

Finish line rewind file must be named 192.168.1.99

Stream Type

RFID File

Stream type cannot be changed if reads exist.



# RFID Server Setup

**Set up a Rewind Stream for each actual stream, like Start and Starting Line rewind. All of these should use different IP addresses than the actual box they relate to.**

The screenshot displays a list of streams in the RFID Server Setup interface. The left sidebar contains navigation icons. The main content area shows a list of streams with their respective IP addresses and file names. Red arrows point to the IP addresses for 'Starting Line Rewind', 'Swim / Tran2 rewind', and 'Tran1 / Bike rewind'.

| Stream Name            | IP Address             | File Name                      |
|------------------------|------------------------|--------------------------------|
| Joey 90                | RFID File              |                                |
| Joey 91                | RFID File              |                                |
| Start                  | RFID OutReach          | Address: localhost Port: 33335 |
| Starting Line Rewind   | 192.168.1.98           | RFID File                      |
| Swim / Tran2 rewind    | 192.168.1.101          | RFID File                      |
| Time Trial Start Times | Time Trial Start Times | PC Timer-Mobile Timing File    |
| Tran1 / Bike rewind    | 192.168.1.102          | RFID File                      |

# Best Practices





# Best Practices

## Set up a Dummy Race to distribute streams for all devices in your company

Streams “live” only on the computer they are used on. If you have a significant amount of hardware, or a larger staff a great way to make sure everyone has access to streams from every devices is to create a dummy race that has a stream for each device assigned to the Finish, and have it available for your timers to import to their scoring computer, bringing all streams on that device.

|               |           |      |            |  |
|---------------|-----------|------|------------|--|
| 192.168.1.121 | RFID File | EDIT | VIEW READS |  |
| 192.168.1.122 | RFID File | EDIT | VIEW READS |  |
| 192.168.1.123 | RFID File | EDIT | VIEW READS |  |
| 192.168.1.124 | RFID File | EDIT | VIEW READS |  |
| 192.168.1.133 | RFID File | EDIT | VIEW READS |  |
| 192.168.1.190 | RFID File | EDIT | VIEW READS |  |



# Best Practices

## Get Comfortable with Rewinding streams

RFID has a rewind feature - you may only need to use it once a year but if you make a practice of rewinding every single race, then you know how to do it in a moment of high stress. A good practice is to rewind your streams as soon as your first finisher comes in.

**Always set your streams as Main Streams in RaceDay Scoring.** The exception would be if you are using FinishLynx or FAT timing to ultimately assess things, otherwise even your secondary timing lines should be Main Streams.

**Clear out old race data** or archive it in a systematic manner before each race so that you don't accidentally pull in old reads.



“If the box is beeping, you don’t have a problem”  
-Todd



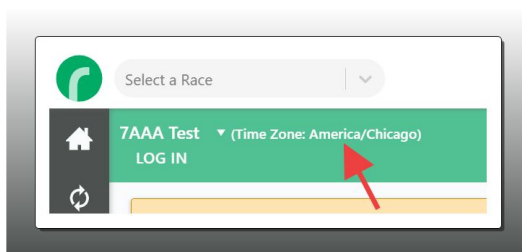
# Best Practices

## Be careful if you are using OneDrive

It's a good practice to set up your boxes to go to a folder in a known place on the desktop - consider naming them after your device's IP. Make sure when you set the file path for your Streams you are using the path to the **DESKTOP** version of the file and not the **OneDrive** version in case internet is not available.

## If you're in a situation with a timezone change, make sure times on your boxes aren't in a different timezone than the Race is at RunSignup.

To confirm the race's timezone, you can check next to the Race name in the upper lefthand corner of RaceDay Scoring.



Questions?





# 2025 Timer Industry Survey

**Share your insights!**

<https://survey.zohopublic.com/zs/VkD5qO>





# 2026 Timer Education Summit

January 27 and 28

Tampa, Florida

- Two Main Educational Tracks:
  - Introductory and Timer Certifications
  - Advanced
- AI Workshops
- Technology Demo and One-On-One Training
- Morning Run and Live Tech Demonstration

**Plus, Timer Collaboration and Networking**



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# Thank You For Joining Us Today

