Scorekeepers' setup guide for **PRECONFIGURED** AeroJudge kits:

David Garceau / 03.24.2025 / Rev5

Note: This is VERY detailed document, the steps are not all that complicated, and this makes it sound much worse than it really is - but I'm writing out everything with screenshots so that hopefully there are no questions.

These instructions are intended to accompany the preconfigured kits built by David Garceau to make it as easy as possible to use AeroJudge devices at your event. These steps should be completed in advance of the contest, or worst case on the practice day, you really don't want pilots waiting to start flying while setting up the Scorekeeping system!

I know it will be tempting, but you really don't need to turn on the AeroJudge devices just yet. That step comes later so save your batteries and make sure you have everything else ready first!!!

The devices are still in ongoing development, so ALL feedback is greatly appreciated – reach out to David at SERD@mini-iac.org with any ideas, comments and suggestions.

Preconfigured kits will generally contain four (4) AeroJudge scoring devices and one (1) GL-iNet OPAL Router packaged in a pelican type case. Just like an ARF kit, it's *almost* ready to use!

Due to complexities of shipping Li-Po batteries, most kits will NOT include batteries, and they must be obtained locally.

The devices contain an XT60 battery connector, this will allow you to use batteries with EC3 or XT60 plugs. The internal power supply can work with 2S, 3S and 4S Li-Po batteries. More detailed information on Batteries selection is covered in Step 4.

These instructions are based on using a WINDOWS computer. You should be able to set everything up on a Mac, and we know it works – it's just that I can't tell you how to do it!!!

Check the following link for updated information (including this document) and related downloads: www.lykicare.com/aerojudge/resources.html

Additional Resources can be found at:

www.aero-judge.com https://github.com/IMAC-ORG www.mini-iac.org

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STEP 1) SETUP THE SCOREKEEPERS COMPUTER:

Even if you have been running previous versions of Score (like the prior downloads from the IMAC website), you will almost certainly have to complete ALL these updates.

1A) Install / update your version of Java

Install / Update Java to the latest "SE Development Kit" version. I ran version 17 at NATS and have version 20 on my other laptop. The generally available consumer Version 8 of Java will not work properly – it must be the SE Development Kit version.

Java SDK webpage for downloads:

https://www.oracle.com/java/technologies/downloads/

- or - Direct Windows Download link (JDK23):

https://download.oracle.com/java/23/latest/jdk-23 windows-x64 bin.exe

1B) Setup the Score / AeroJudge Files

To simplify the installation of Score and the files needed for this action, click on the link below and download the zip file. This contains a preloaded version of score with a demo contest setup:

www.lykicare.com/aerojudge/files/resources/aj-score.zip

(Future state is that this will be the same as the downloaded comp file from the IMAC website) You may get a warning about downloading this file, please continue.

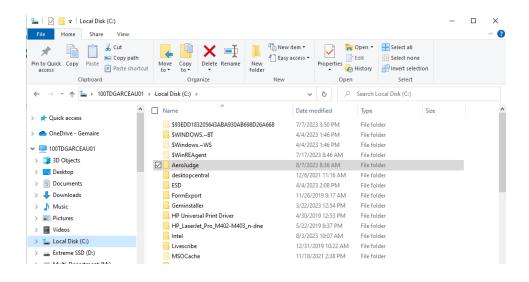
It is very important to extract the Zip files, you must not run the Score program inside a zipped folder.

After unzipping the folder, place it in a location that is easy for you to access. You can use the name as-is or rename it and can be anywhere on your computer EXCEPT in the downloads folder.

My preference is to directly create this folder on your main hard drive (the C: Drive for most windows-based computers). So, in my setups it was created as C://AeroJudge

If you are only running one contest here and there – it may be easier to just put the folder on your desktop. This is totally your preference – just know where you put it!

If you used C://AeroJudge as your folder, there is a preconfigured desktop shortcut that you can copy and paste on your desktop screen!



1C) Optional support programs

These programs are optional but will be very helpful if we need to provide remote support.

These are all free downloads, and you do not have to have an account or sign up for anything to use them. Be wary of ads on these freeware download pages especially on the WinSCP page.

Zoom desktop client https://zoom.us/download

WinSCP https://winscp.net/eng/download.php

Look for the green download icon for the latest version.

DOWNLOAD WINSCP 6.3.7 (11 MB)

PuTTY https://www.putty.org/

*Move the PuTTY.exe file from your downloads folder to a new folder at C:/Program Files (x86)/PuTTY/

It's not very likely that we will need it, but it's a good idea to have a micro-SD card reader on hand in case we must make any edits (like changing network details) directly on the device SD cards.

Something like this multipurpose reader is easy to add to your kit:

https://www.amazon.com/gp/product/B07D1J88CF?smid=AKXVBT49GGF3B&psc=1&linkCode=ll1&tag=dgarceau-imac-20&linkId=ec6e628c94c861585cd590e4a5db6219&language=en_US&ref_=as_li_ss_tl

STEP 2) SETUP THE AeroJudgeNET ROUTER:

Complete AeroJudge kits will include a preconfigured GL-iNet OPAL router that is almost ready to use.

These preconfigured routers will only need the user to set a reserved (static) IP address for their Scorekeeping computer. Optional configuration settings will allow these routers to also pass through an external internet connection such as a phone hotspot for internet access if desired.

WARNING: Do not be tempted to factory reset the GL-iNet OPAL router as there were lots of things I set up first that would have to be re-done. These extra settings are not covered in this document.

There are two parts to this section, the first topic is MANDATORY, in that the Scorekeeper computer must be setup to have a static IP address on the AeroJudge network. Rather than attempting to make changes on an individual's computer, this is easily achieved in the router itself as a setting.

*** If the AeroJudge devices and router are moved around the region from Scorekeeper to Scorekeeper, this first part of the setup to set the Scorekeepers computer IP address will need to be done with each new user.

We are working on a process that will eliminate this step in the future, or have a program that will auto configure the devices because we see it as one of the current pain points in using AeroJudge.

The second topic deals with the optional steps to connect AeroJudgeNET to an internet connection. This is completely optional and IS NOT required to use the devices at a contest.

2A) Setting the static IP address for the Scorekeeper.

THIS IS MANDATORY FOR THE SYSTEM TO WORK

Power on the router and connect your computer to the AeroJudgeNET Wi-Fi network.

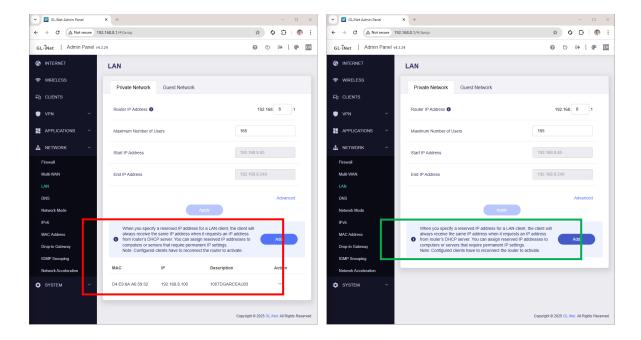
SSID: AeroJudgeNET Password: 2Pr1v@TE

Open your web browser and navigate to http://192.168.8.1 Enter the admin password AJN_admin4

On the left side of the admin panel, click the dropdown for NETWORK, and select LAN

There is a colored box for reserved (static) IP addresses:

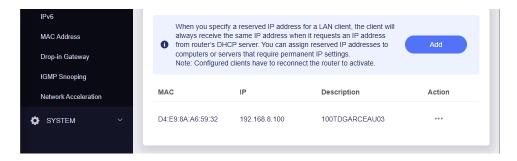
IF there is an address already here that is not your computer delete that first (example below highlighted with a red box). If there are no previous entries (example highlighted with a green box) you can add your computer by clicking the add button.



To remove previously used Reserved (Static) IP addresses:

I'm starting with this as I expect it to be a common first step to remove the prior Scorekeepers' computer from the router (includes removing my computer from the setup steps for first time users).

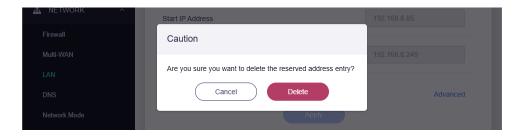
I'm assuming that we've gone through the above steps of logging into the router settings, have selected the NETWORK and LAN options and can see that another computer is already using the **192.168.8.100** reserved (static) IP address.



Click on the three dots below the word Action for the wrong computer and select DELETE



It will make you confirm with another click

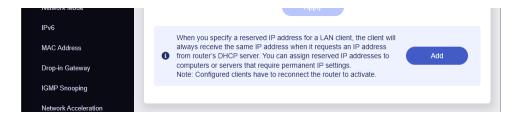


Now that the old entry is gone you can start with the next step to add your computer info here.

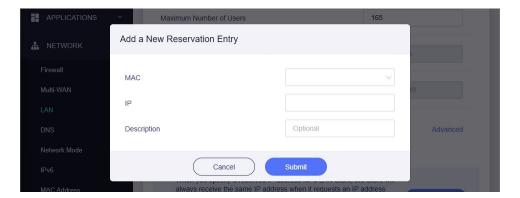
To ADD a Reserved (Static) IP address for your computer:

It can be helpful to know your computer's name, or the MAC ID of your computer for this step.

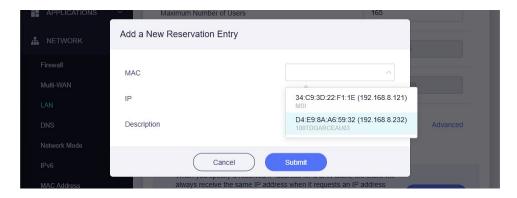
Click the Blue button to add your computer.



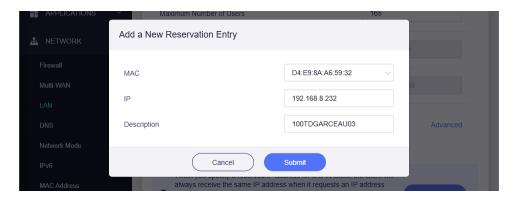
A popup window will appear to "Add a New Reservation Entry"



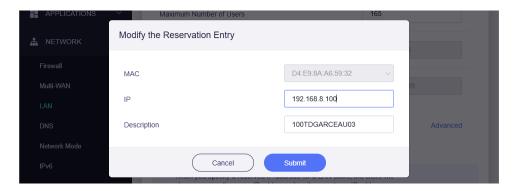
The drop-down arrow for **MAC** should pull up your computer along with anything else that is remembered or connected. Knowing your computer name or MAC ID will save time by recognizing the correct device. I purposefully set an example that had two computers connected so that you could see what that looks like.



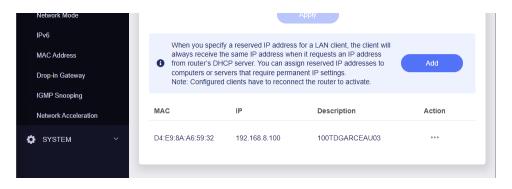
For this example, I'm setting up the Scorekeeping computer that has a computer name of 100TDGARCEAU03. As highlighted. Clicking on your computer will pre-fill some information for the next step.



NEXT – Very important – The **IP** will default to whatever your computer was randomly last assigned and that's NOT what we want to happen. Change the **IP** from whatever it is to **192.168.8.100**I like to leave the description as the computers default name for easy reference.



Click SUBMIT to save the changes. You should now see your computer listed on the screen



If you are not setting up an internet connection, you can close your browser. It's a good idea to restart your computer and the router at this time. Make sure they are both off before restarting them.

2B) Optional Internet access settings

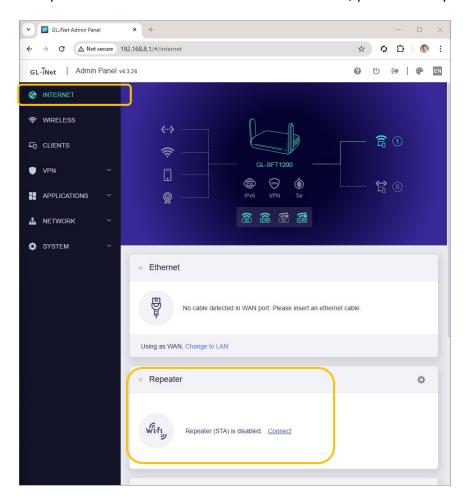
This step will vary based on your preferences and the Wi-Fi options that are available. For my personal setup, I configure my home Wi-Fi, iPad and Starlink as Internet sources to have online connectivity anywhere!

Note – Internet access during an event is NOT required and is purely an option for the Scorekeeper if they have it available and wish to connect.

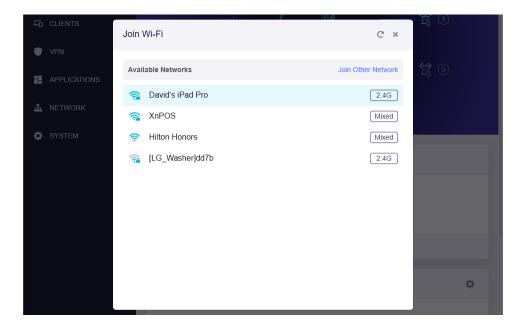
I'll assume that you're already connected to the AeroJudgeNET wi-Fi network.

If you aren't already at the router admin panel from the previous steps, open your web browser and navigate to http://192.168.8.1 Enter the admin password AJN_admin4

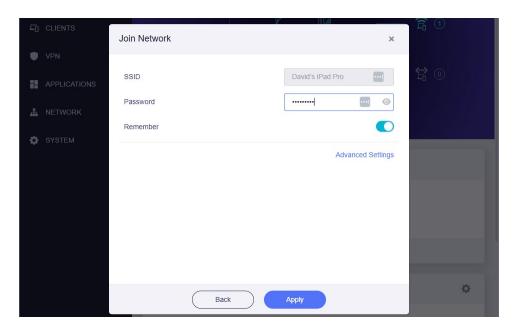
You should be at the **INTERNET** menu option on the left panel, on the right side is a box labeled repeater with a blue link to "Connect". If you don't see this and a known Wi-Fi name is here, you are already connected!



Click on Connect. You should see a list of available Wi-Fi networks or may need to click the refresh icon to get them to show up.



Select the name of your internet source – this could be a local field Wi-Fi address or a hotspot device etc. In the example above I use my iPad as the hotspot which has already successfully provided enough internet service for live Score update at the NATS!



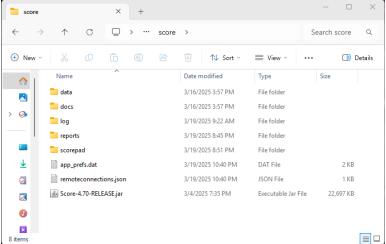
Enter the password and select apply.

Congratulations – you now have Wi-Fi internet access through the AeroJudge Wi-Fi network!

It's a good idea to restart your computer and the router at this time. Make sure they are both powered off before restarting them.

STEP 3) SETUP SCORE WITH CONTEST DETAILS:

Navigate to the folder created earlier to open the Score files.



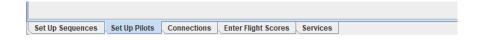
Click on "Score-4.70-RELEASE.jar" to start the Score program. The best practice is to maximize Score to a full screen view.

For the most part, this is the same program that we've been using for years so it is a very familiar interface for most Scorekeepers. It is beyond the scope of this document to explain every feature in Score, so we will focus on the changes and important topics for using it with AeroJudge devices.

Important: The AeroJudge devices get their contest info, pilots list and sequences from Score, so all these steps really should be fully set up BEFORE the contest starts.

There will be two new tabs and some options that you haven't seen before so that Score can work with the AeroJudge devices.

The tabs at the bottom of the Score page are:

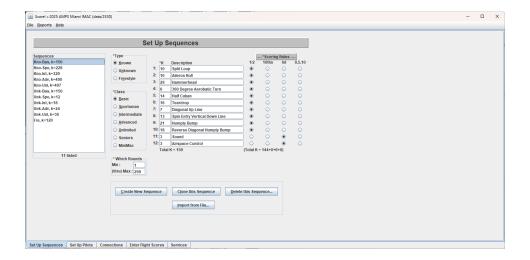


I'll go through all five tabs as a quick review, with extra attention to the topics needed for the AeroJudge devices.

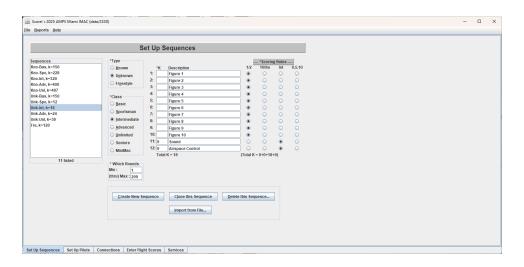
Set Up Sequences tab:

This tab has not really changed for most contests and will only need special features turned on for complex events like the NATS.

Your event download, and the default event sequences should be preloaded with known sequences, unknown sequences and freestyle option pre-loaded.



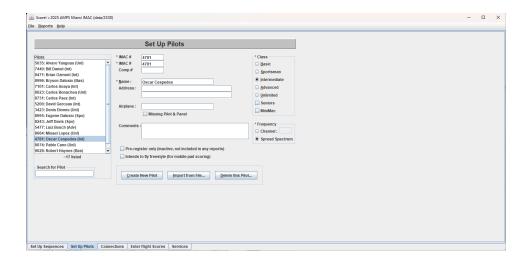
At the current time, unknown rounds are shown as generic files and do not have your specific contest figure details, images or audio files loaded.



So, your only real task in this tab is to add the unknown K factor values!

Set Up Pilots tab:

Like any normal event all pilot details will need to be entered. DO not use letters in the AMA numbers or IMAC fields, they should be numeric only. If the person has a personal ID with letters, use something generic until the contest is over and correct it at the very end before publishing the final results.



Event specific contest details that are downloaded from the IMAC website will already have all the preregistered pilot's information loaded. In those files the AMA and the IMAC number fields are both populated with the IMAC number. There is no need to update this.

You can add and delete pilots from downloaded files just like you would manually.

At this point Score should be fully setup as if you were going to run the contest like normal by entering Scores from paper.

Connections tab:

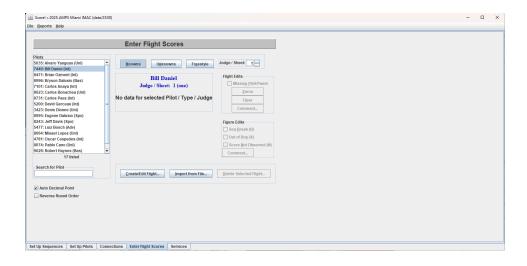
Do not even open this tab!

Ok, so now that you're going to open it anyway, please don't change anything! This tab contains specific commands for other international and iPad scoring systems that run in the background. Making any changes here could cause the AeroJudge data to fail, have errors, or even crash!

It's not hidden because we expect to use it as the primary "connections" screen in the future.

Enter Flight Scores tab:

This is like normal, except that you really should not have to use it! A new contest will have no data here and you do not have to do anything. Rounds are automatically added as pilot Scores are imported.



Importing data from the AeroJudge devices on the next tab completely replaces the arduous task of manually keying in all the rounds and Scores!

The CD/ Scorekeeper can manually update Scores here to correct mistakes etc. but that must be done with extreme caution — especially when uploading new rounds to Score from the devices. By default, the device data overwrites manual edits and updates EVERY time that the data is imported. There is a check box explained later that will change this behavior.

AeroJudge devices are also not yet configured to record Freestyle Scores. Those MUST still be manually entered – It's advisable to only do this at the very end of the contest (after all device uploads have been done) so that they don't inadvertently get removed.

Services tab:

This is the heart of the AeroJudge system and is where you will spend most of your time in Score during the contest.

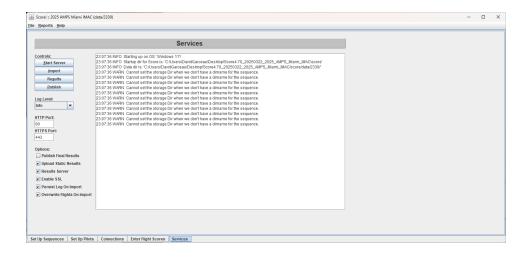
Ok, just to confirm, you have Score running AND have setup all of the sequences and pilots, you are practically ready to run the contest. The AeroJudge NET Wi-Fi network is powered up, configured and your Scorekeeping computer is connected to it.

Note: In the contests that I have run, almost all the errors were generated from not having things set up properly in advance!

Are you really ready to continue. Really ready? OK, so now we can talk about the Services tab.

The layout includes key controls on the left, with a valuable window in the center that gives you updates on errors, warnings, file imports and uploads.

A freshly booted Score file will look like this:



On the left, you will see values for the HTTP Port and the HTTPS Port. If the values on your computer are different please change them to 80 and 443 respectively.

You may see warnings for sequence directories that are not setup and you can ignore those, or we can get on a call to fix it if it bugs you! (It requires turning on extended sequence functions and adding file names to create directories that aren't even currently used).

Now click the "Start Server" button.

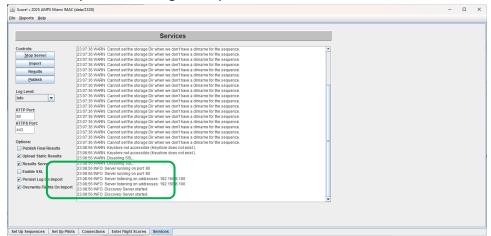
Text should appear in the center window that shows timestamped log information like this:

23:08:56 INFO Server running on port: 80

23:08:56 INFO Server listening on addresses: 192.168.8.100

23:08:56 INFO Discovery Server started.

It doesn't matter if this is duplicated, as long as the port and address are correct, and the server has started.



If it does not show the correct information – STOP here and figure out why.

The rest of the Service tab functions for importing data and generating results are discussed in later steps.

The next step is to sync all the contest data from Score to each of the AeroJudge devices. This is still all to be done before the contest begins.

Downloading Score Data from the IMAC website

Regional directors (and possibly scorekeepers) can download Score files from the IMAC website. This saves time instead of manually having to enter pilot details and sequence information into a blank copy of score.

At this time – the version of score that comes with that download is NOT compatible with AeroJudge as it does not contain the "Services" tab. We hope to fix that soon! Until then you can ask me (via email) to send you your contest info to place into the Score folder.

STEP 4) INITIAL AEROJUDGE CONTEST SYNC:

With Score setup and running, and the server on showing the computer's IP address as 192.168.8.100 you can finally turn on the AeroJudge boxes to sync them!

AeroJudge Batteries:

The devices can accept anything from a 2s to a 4s LiPo battery with an XT60 connector (EC3 will also fit). There was quite a bit of info on battery selection in the preamble on the first page of this document.

The devices contain an XT60 battery connector, this will allow you to use batteries with EC3 or XT60 plugs. The internal power supply can work with 2S, 3S and 4S Li-Po batteries.

The "ideal" battery is somewhat mythical – it's a balance between comfortable weight and life expectancy. Here are some observations from my tests:

2S 7.4v 3,300mAh Li-Po Battery – lightweight and convenient but only good for about 4 hours of use, you'll need to have backups charged and ready to switch mid-way through the contest!

3S 11.1v 3,300mAh Li-Po Battery – mid weight, and my personal preference. They can easily run for 5-6 hours of continuous use, which gives a nice safety margin by switching them out around the mid- point of the day. Managing power consumption by turning off while not in use can have them last all day.

4S 14.8v 3,300mAh Li-Po Battery – the big heavy one! But they give me 10+ hours of continuous use which is enough to run through any all-day contest without concern. These are what I use for single line local contests where the action never stops!

Use what you have and keep a battery percentage meter nearby for random checks until you are comfortable with how your batteries perform.

I have several of these awesome little Hitec RCD testers! AMAZON LINK



Power on the AeroJudge devices:

With your batteries charged and connected, press the small power button on top of the case, you should hear it click. Small fingers or a blunt object helps – the power switches are intentionally recessed so that they can't accidentally be switched off.

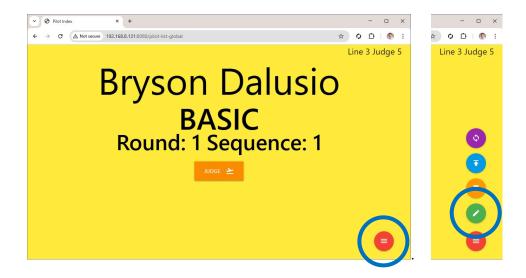
As the devices power up, there is a brief delay, then text should appear and scroll quickly on boot up, followed by a desktop screen, then a white screen appears as the software loads. This is all fully automated and can take up to a minute to complete.. Once you have the yellow AeroJudge page showing we are ready to start syncing data.

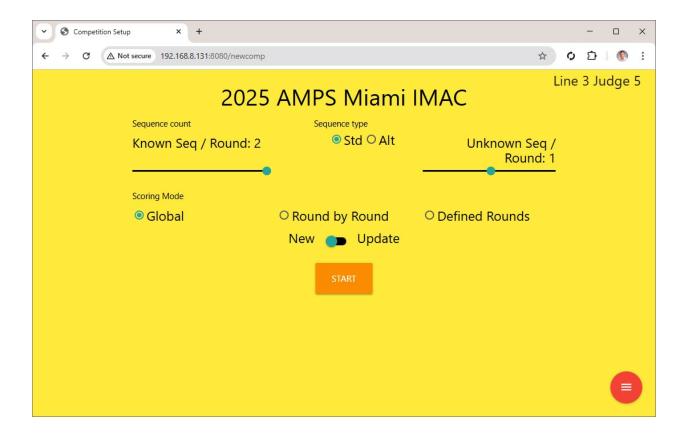
Initial contest data sync:

WARNING: ONLY DO THIS STEP ONCE BEFORE THE START OF THE CONTEST AS IT WIPES PRIOR CONTEST DATA FROM THE DEVICE AND SETS IT UP AS A NEW CONTEST USING THE CURRENT SCORE FILES.

(Again, Score must still be running, the server must be running, the Wi-Fi and IP addresses must be right, and the devices must all be connected to the AeroJudgeNET network).

In the lower right corner, click the red hamburger "menu" icon and then the green setup 'pencil' icon:





The layout of this screen contains the following details:

Line # Judge # are shown for reference. As the scorekeeper it is worth taking an extra look at this to make sure they are what you expect and are not like the example above for Line 3 Judge 5 when you aren't running a contest that big!

Just as a fun fact - Line 3 Judge 5 was used as a valid line/judge combo at the 2024 Tucson Aerobatic shootout where we had 18 devices in use at once!

The contest name will probably be wrong at first, as it shows the last contest that was loaded.

Sequence count "Known Sequences per Round" should usually be set to 2 for double sequences.

Select Std or Alt for your known round type so that the default images and descriptions are correct.

"Unknown sequences per Round" should normally be set to 1.

Scoring mode should be set to global, the other options are for more advanced options at bigger events – instructions for those will be updated in the future.

Click or move the slider to "New" to completely reset the contest data as a new contest with information from Score. There are almost no cases where an update is needed as there is another less dangerous option for pilot and sequence details that need to be updated.

Click "Start" for the device to begin the contest setup process.

Please wait a moment for the device to sync. It can take up to about 30 seconds and doesn't look like its doing anything in this step – but behind the scenes the device contacts Score, downloads the contest data and internally updates all the related files. Pressing start multiple times just makes it duplicate the process multiple times taking longer than necessary.

You will get a confirmation message that briefly pops up on the lower left part of the screen, and then the program will return to the pilot selection page:

New comp 2025 AMPS Miami IMAC is created.

Do this for all the boxes you intend to use... It is <u>critical</u> that the settings are the same for every box. Ie don't set single sequence rounds on one device and double sequence rounds on another device.

All boxes should now display the pilots lists from Score and are ready to be used!

IMPORTANT: This should only be done as the last setup / sync action BEFORE the contest starts. The green pencil icon settings MUST NOT be revisited during the contest as will archive Scores and resets the contest as "new" with all pilots starting over at Round 1 Sequence 1.

STEP 5) USING THE AEROJUDGE DEVICES:

You should have received four boxes in your setup. For the most versatility, these were pre-programmed for two flight lines with two judges on each flight line. They are generally being made in pairs with matching-colored backs, so for example the two Line 1 devices would have the same color back, with a different color for Line 2 devices.

Always make sure you are using a pair of devices i.e. Line 1 judge 1 with Line 1 judge 2. The color-coded backs helps with this.

The default pilot list page shows the Flight Line and Judge number for the device.

Running One Flight Line

This is the easiest of all, just use the two boxes for flight line 1 and forget you even have the other two boxes... every Score from every round goes into them and it all populates perfectly.

Running Two Flight Lines

This is where it gets more complex, you can use two flight lines, and all the data is valid, it's just in reports if you have classes using both lines then the report data might not show all the flights in the order flown. Also reports for Seniors results can show multiple unscored rounds.

Round numbers can also appear to be wrong on the devices which can be confusing – for example if you've already flown two sportsman rounds on line 1, and then have sportsman fly on line 2 – the device shows it as round 1 (not round 3)... this is correct as it is the first round flown on line 2, even though it's the third round for those pilots.

Adding / Changing flightlines mid contest

Switching from 1 to 2 flightlines, going back from 2 flight lines to just 1, or moving classes from flightline 1 to flightline 2 etc. are fine, and isn't really any cause for concern.

There is a quirk in how rounds are numbered on the devices that can cause confusion for judges, so it is worth explaining that here.

On the devices, rounds start at round one and are automatically incremented to round two, three, four etc. This is PER FLIGHTLINE. and is tracked appropriately in Score.

So, let's create a complex example:

Say Sportsman class has flown round 1 and two on line 1, so they are about to start their 3rd round – BUT we are moving them to line 2. The devices on line 2 will show that they are starting round 1... which is

correct because it is their first round on line 2. This really is correct, Score knows it's their third round and their first-round scores from line 1 aren't about to get messed up!

Now to throw the monkey wrench even further, for their fourth round we decide to put Sportsman class back on line 1, and you guessed it - the line 1 devices will show it as round 3. Again, this is correct because it is the third round on line 1.

Maybe to simplify it – Score knows that flights on line 1 are different to flights on line 2, so it doesn't matter that the round numbers don't perfectly line up with the order they were flown.

This does add a bunch of un-flown rounds to the Seniors class calculations making the results printout messy – but it does not affect the results order.

Skipped or missed rounds

When a pilot misses or skips a round, say for mechanical issues, the judges will need to score that pilot with zeros for each figure.

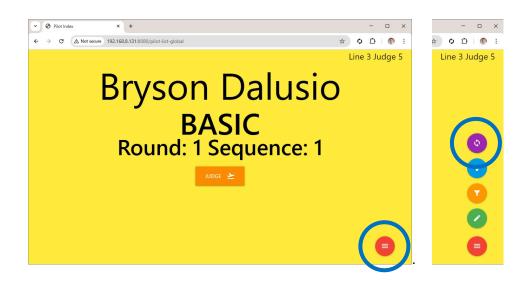
This keeps the round order correct for all pilots within a class.

Pilot List Refresh

If a pilot joins the contest late, and rounds are already being scored – you can still add them to score and to the devices.

Add the pilot to Score in the Setup Pilots tab. Save files. Close Score and Restart (this alphabetizes the pilots list). You will need to start the server again.

On all devices in use, click the menu button and then the purple refresh button. This will import and update the new pilot(s) names and information from Score.



the pilot(s) have missed rounds with their late start, say they totally missed round 1 and will be startin und 2 – you will have to go to the devices that were used for the other pilots and enter zeros for the r lots on round 1.	
separate document will be created as a "Judges Guide" to using the devices. That document will foc e judging/ scoring operations and not on the CD/ Scorekeeper functions.	cus on

STEP 6) UPLOADING & IMPORTING DATA TO SCORE: (2 STEPS)

Once a round is Scored, the boxes must be within Wi-Fi range of the computer (and have time to re-connect).

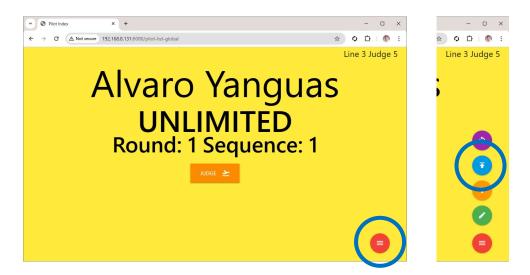
Unfortunately, a byproduct of using the awesome little GL-iNet OPAL routers is that they are technically classified as travel routers to be used while on-the-go... so have limited range capabilities. This might mean that the AeroJudge device has to be within a short range of under 20 feet to connect.

It's also worth noting that after some time of not being able to connect to a network, it seems like the devices give up and stop trying! You may have to occasionally reboot a device (power off and on) to get it connected.

As the Scorekeeper, I prefer to do both of these steps myself so that I can validate that the sync was successful, which also helps keep judges away from the menu buttons!

Upload data from the device to the Scorekeepers computer

On the AeroJudge device press the hamburger (menu) icon and then the blue arrow (upload) icon. Within a few moments there will be a small pop-up box in the lower left corner of the screen that says, "Scores Sync Success". If it wasn't shown, then you weren't within range, Score and services weren't running, or there was another issue. Be patient, but if you haven't seen it in about 60 seconds, make sure you are connected to the network. And try again.



The Score services screen will confirm that an upload was made and will show the device it came from.

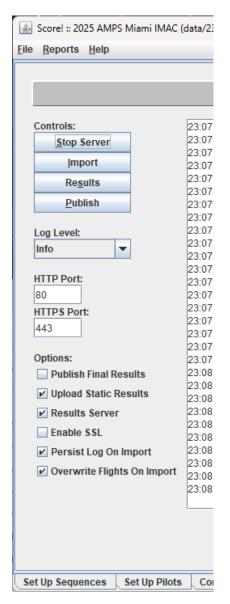
The text will be timestamped and show the line and judge number that the data was received from like this:

23:43:39 INFO Received file:LINE3_JUDGE5_flights.dat

The boxes can go back out to the next set of judges.

Importing the AeroJudge data into Score:

At the point the judges scores have been "received" by score, but have not been "imported" or merged into the pilot scores tab.



Important: Before you import data into score, you need to know that by default the import overwrites all prior data EVERY time you do an import. So, if you have made manual edits to pilots scores, they will be replaced with the device scores, and you'll have to do those edits again! There is a small checkbox at the bottom of the list on the left that can disable this – be careful as it turns back on each time so is easy to miss.

Once you have all the uploads you're expecting, click the "Import" button on the left side of the screen in Score. A lot of data should populate in the center screen, near the end it shows the numbers of sequences received from each device.

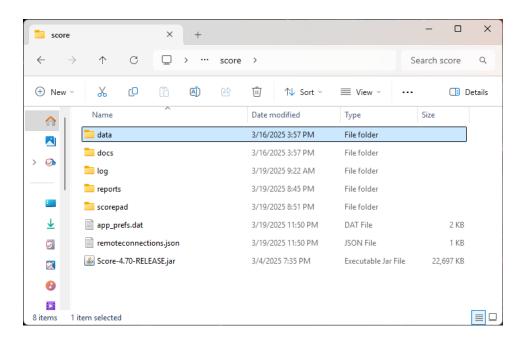
If everything looks right, you can click on the "Results" button and follow normal steps to print or publish that round of Scores for your contest. This popup window is exactly the same as when you select Reports from the top of the Score program.

Step 7) SUBMITTING SCORE RESULTS TO IMAC:

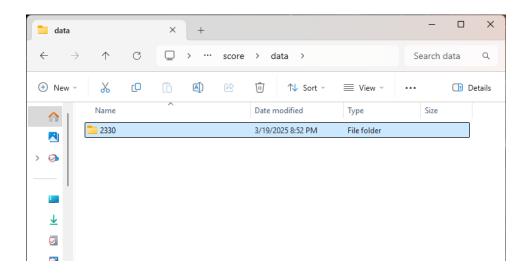
After each contest has been completed, Pilot scores should be uploaded to the IMAC mini-iac.com website for pilots to see their data, and regional points standings etc.

The CD or Scorekeeper cannot directly upload these results. They must be sent via EMAIL to your regional director to upload.

Navigate to these files in the folder you created and ran the Score program from. Select the data folder.

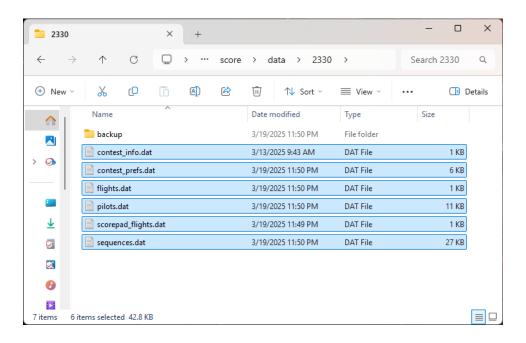


Inside the data folder are separate folders for each contest that has been run. For most scorekeepers this will be a very short list. If you used downloaded info for your contest, the folder will be a number that matches the contest number on the IMAC website. In the example below for the Miami contest, its folder 2330



In my opinion, the easiest thing to do is to zip the entire contest folder and email that to your RD.

Or, if you prefer, you can open the contest data folder and send your RD the individual files highlighted below. These are small files and do not have to be zipped to send them.



ADDITIONAL NOTES:

Pre-contest training – aka playtime!

The version of score that you downloaded earlier has a "2025 Demo Contest" loaded into it. It's a great idea to load this into the devices so that you can practice and test with each of the steps during your contest practice day. Hand devices to judges and have them go through scoring a pilot for fun... they will get used to how it works, and you can get experience with how it all works before the real thing starts.

Once playtime is over, just switch over to your contest data in Score and go through the steps to load that into the devices.

Device serial numbers and software versions

Current "production" devices will have a revision number and serial number inside the battery compartment. These can be helpful to David while troubleshooting issues.

Micro SD cards will also have a colored sticker on them that is visible while they are installed. This identifies the software revision number, and the Line / Judge number at the time it was built and makes it easier to keep cards separated when changing them to physically upgrade the devices.

Have Judges use the audio!

As a judge, listening to the figure numbers, names, caller details and the scores they are submitting is a huge plus. They don't have to take their eyes off the pilot.

Headphones and earbuds are not included with the kit as we find that most people prefer to use their own rather than sharing. As the CD you might want to have a couple of spares – but let your pilots know to bring whatever they want to use while judging.

The audio output is a standard 3.5mm stereo jack.

Check batteries frequently

One of the most frustrating scenarios is to lose battery power while judging. Check them frequently with a battery tester and then check them again!

Battery age, condition, and charge levels are all factors in how long they will last.

What if a device fails or gets broken?

The good news is that this is very unlikely, I've only ever had a couple of instances where it occurred through dozens of events and thousands of rounds of scoring.

If it happens, and you have a spare device available (you'll have two spares if you're only running one flight line). You can simply remove the battery and remove the micro-SD card from the device. Push it to release and then gently pull it out of the holder. Place the micro-SD card into your spare device and power it up. The new device will continue right where it was left off (any unsaved sequences may need to be re-flown or marked as not observed).

Contact us for support

Contact us for help with questions / errors. If you have internet access, we can use zoom to control your computer and look into things.

David Garceau 704-941-0921 serd@mini-iac.com

** Disclosure that Amazon product links are associate links, and can pay a commission back to David, this DOES NOT increase your purchase price of those products and you are free to purchase them directly without using the associate links. Any funds received through this associate program are not for personal gain and will exclusively be used to further the IMAC AeroJudge project.