

CONNECTING / INTEGRATING HYTEK AND LYNX

Overview:

- 1- connect computers via desired connection method
 - 2- match connection method and settings in hytek
 - 3- match connection method and settings in lynx
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1) CABLE CONNECTIONS FOR HYTEK - LYNX

There are **2 options** for connecting hytek to lynx...
as usual both have their advantages

A) Option 1- standard ethernet networking (cat 5)

- 1) connect an ethernet cable (cat 5) from hub to hytek computer
(remember: lynx computer may already be connected to a hub as per the lynx setup)

ADVANTAGE: lynx computer will not experience problems caused by a crashed hytek computer.

DISADVANTAGE: hytek operator must Update Start Lists every time a change is made. This, however, is accomplished by just a simple keystroke (Ctrl-U)-- although sometimes the hytek operator may "forget" to do it

B) Option 2- via serial/com port

- 1) connect a db9 null modem cable from one com port of the lynx computer to a com port on the hytek computer

ADVANTAGE: hytek operator does not have to Update Start Lists... is basically done "automatically" in hytek

DISADVANTAGE: if hytek computer crashes, lynx doesn't like not being able to find the next race or the disconnection while the hytek computer is re-booting...

2) SETTINGS IN LYNX:

2 Options:

A) For Network Connection:

First, you must create a shared directory that you will use to share start lists and lif files between Lynx and Hytek. To create this:

on the lynx computer:

- a) double click **My Computer (or Start, My Computer...)**
- b) double click **C:**
- c) right click in a **blank area** [of c:] and select **New**, then **Folder** and name that folder to something like: lynx LIF files (or whatever your preference just make it easy to find)
- d) then right click the **newly created folder** and select **Sharing and Security**
- e) check **Share this Folder on the Network** and **Allow Network Users to Change My Files** then click **OK**

1-in Lynx, go to:

2-File, Options, Database

3-for Data Source select **Files**

4-for Time Precision, set to Thousandths (this will be helpful for the Hytek operator to break ties)

5-in both the Input and Output Directories browse to your newly created shared

lif file directory that you made shared (as instructed above) by clicking Browse to find it.

B) For Serial Connection:

1-in Lynx, go to:

2-File, Options, Database

3-for Data Source select **Serial Port**

4-for Time Precision, set to Thousandths (this will be helpful for the Hytek operator to break ties)

5-both the Input and Output Directories should read C:\lynx

6-remember to do this for both Input and Output Directories

7-select the serial port # on the lynx computer that you are

using to connect to the Hytek machine via the null modem cable

8-also, make sure that Write Lif File is checked

9-click Ok

3) SETTINGS IN HYTEK:

Option selection here MUST match what was selected above in step 2

1) First, you must "map the drive" (the shared directory that you are sharing the start lists and lif files in. This is the same one that you just created above in step 2-A.:
on the hytek computer go to **Start, My Network Places...**the name of the lynx computer/shared lif folder should be listed...if not:

1-A) click Search, Computers or People, Computers on the Network, then type in the IP address of the Lynx computer (most likely 192.168.0.5) and click Search ...If you can't remember what the name of the lynx computer is:

1) on the lynx computer:

2) go to Start, My Network Places, then look for Local Area Connection (wired) (if not there then on the left hand side select View Network Connections and then look for Local Area Connection) and right click and select Properties, then click once on Internet Protocol (TCP/IP) and click on Properties, then write down the IP address and type it in as indicated above in 1-A.

2) once the IP address of the Lynx computer has been located in My Network Places on the Hytek computer:

- a) double click on the **Lynx computer** [name]...when it opens look for the shared file that you created on the lynx computer (as above) (i.e. lynx LIF files, etc.) then
- b) right click on **the newly created file** and select **Map Network Drive**
- c) then select **a drive letter** (I like to start at the end of the alphabet like at z or y)
- d) click **OK** and close out the boxes

A) For Network Connection File Sharing on the Hytek Machine:

- 1-in Hytek go to Run, Interfaces, Setup, Photo Finish
- 2-select FinishLynx File Sharing, click Ok
- 3-then go back to Interfaces
- 4-go to Photo Finish - FinishLynx File Sharing Mode
- 5-then to Update Start Lists
- 6-check the box Activate Update of Start Lists
- 7)-click Change Data Location
- 8)-under Drive select **the drive letter** [and directory if prompted] that you will exchange lif files with (this is the folder on the Lynx machine that you created using the newly created drive letter on the Hytek machine (z or y, etc.)
- 9)-then click **OK, OK, OK**

B) For Serial/Comport Connection:

- 1-in Hytek go to Run, Interfaces, Setup, Photo finish
- 2-slect FinishLynx Serial Interface, Ok
- 3-then got back to Interfaces
- 4-select Photo Finish - FinishLynx Serial Mode
- 5-then to Open/Close Serial Port
- 6-then input your computer's comport # that you are connected to
- 7-then click Ok

4) PULLING UP RACES IN LYNX (both types of connections):

- A) for your first race or test go to: File and select Go To Event
- B) at the box put in the Event #, Round #, Heat #, etc.
- C) after that, if the event schedule is set up correctly in Hytek, you can simply go to File, Next Event and it will bring you to the next heat/event in the schedule...if it is not correct in Hytek or you notice that something doesn't look right you can find out what event should be on the track and go back to File, Go To Event and fill in the blanks...

NOTE A: you may also use the blue short cut icons located just below the drop down menus.....to see what each one is just put the mouse cursor over one of them and note the description on the bottom left of the lynx screen... do it fast as it will only display the description for only a few seconds

NOTE B: after you read the race and save it locally (on the lynx computer), lynx will automatically save the results to the Hytek computer as well

5) Operation in Hytek:

A) if you are using File Sharing Mode, when in the Run menu the operator MUST hit ctrl-U after making any changes. Failure to do so will give incorrect start lists to Lynx and make it hard for the operator to fix mistakes.

B) to pull up results, after the race is complete, simply hit F-3 (Get Times)...and then List or Score (if applicable)